

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031723\
 Data File : BF132829.D
 Acq On : 17 Mar 2023 18:27
 Operator : CG\JU
 Sample : 01908-02MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HILLBOR-DRUMS-0314

Quant Time: Mar 17 23:28:46 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 17 03:35:59 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.957	152	205027	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	794225	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	425630	20.000	ng	0.00
64) Phenanthrene-d10	11.498	188	801537	20.000	ng	0.00
76) Chrysene-d12	14.157	240	522976	20.000	ng	# 0.00
86) Perylene-d12	15.674	264	441314	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.616	112	1461557	120.288	ng	0.03
7) Phenol-d6	6.604	99	1684571	106.814	ng	0.00
23) Nitrobenzene-d5	7.528	82	1320563	85.089	ng	0.00
42) 2,4,6-Tribromophenol	10.804	330	576036	127.312	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	2063284	79.631	ng	0.00
79) Terphenyl-d14	13.086	244	2507950	86.593	ng	0.00
Target Compounds						
						Qvalue
3) Pyridine	3.775	79	632472	37.530	ng	99
4) n-Nitrosodimethylamine	3.704	42	297680	47.580	ng	99
6) Aniline	6.634	93	397882	21.963	ng	92
8) 2-Chlorophenol	6.757	128	644542	49.711	ng	97
9) Benzaldehyde	6.516	77	240984	37.132	ng	96
10) Phenol	6.616	94	735275	41.040	ng	99
11) bis(2-Chloroethyl)ether	6.692	93	763427	46.075	ng	98
12) 1,3-Dichlorobenzene	6.904	146	688961	49.029	ng	99
13) 1,4-Dichlorobenzene	6.975	146	669620	47.744	ng	99
14) 1,2-Dichlorobenzene	7.128	146	631884	49.376	ng	100
15) Benzyl Alcohol	7.110	79	579060	63.482	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.234	45	723334	44.867	ng	73
17) 2-Methylphenol	7.222	107	517697	43.937	ng	# 90
18) Hexachloroethane	7.469	117	269319	50.179	ng	98
19) n-Nitroso-di-n-propyla...	7.375	70	450124	50.023	ng	99
20) 3+4-Methylphenols	7.375	107	661382	46.618	ng	# 81
22) Acetophenone	7.369	105	898141	47.362	ng	# 97
24) Nitrobenzene	7.551	77	769271	45.848	ng	99
25) Isophorone	7.787	82	1407060	46.119	ng	99
26) 2-Nitrophenol	7.863	139	381978	48.874	ng	98
27) 2,4-Dimethylphenol	7.898	122	558824	46.151	ng	99
28) bis(2-Chloroethoxy)met...	7.987	93	839250	45.798	ng	100
29) 2,4-Dichlorophenol	8.110	162	626819	50.000	ng	99
30) 1,2,4-Trichlorobenzene	8.186	180	639238	47.674	ng	99
31) Naphthalene	8.269	128	1800792	45.196	ng	99
32) Benzoic acid	8.051	122	428280	55.227	ng	96
33) 4-Chloroaniline	8.339	127	69393	3.995	ng	99
34) Hexachlorobutadiene	8.375	225	396786	46.641	ng	100
35) Caprolactam	8.704	113	128060	33.320	ng	89
36) 4-Chloro-3-methylphenol	8.816	107	625414	49.052	ng	98
37) 2-Methylnaphthalene	8.957	142	1189473	44.516	ng	98
38) 1-Methylnaphthalene	9.057	142	1154072	45.873	ng	97
40) 1,2,4,5-Tetrachloroben...	9.128	216	644602	46.166	ng	99
41) Hexachlorocyclopentadiene	9.110	237	696191	102.000	ng	100
43) 2,4,6-Trichlorophenol	9.245	196	423286	46.559	ng	98
44) 2,4,5-Trichlorophenol	9.292	196	462609	43.705	ng	98

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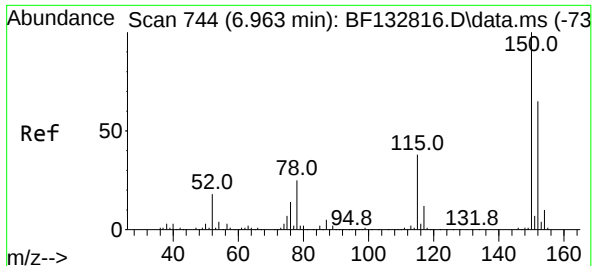
Quant Time: Mar 17 23:28:46 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	9.422	154	1461868	46.296	ng	99
47) 2-Chloronaphthalene	9.451	162	1191071	47.638	ng	99
48) 2-Nitroaniline	9.557	65	401967	48.954	ng	94
49) Acenaphthylene	9.869	152	1716123	44.664	ng	99
50) Dimethylphthalate	9.728	163	1491244	48.867	ng	99
51) 2,6-Dinitrotoluene	9.792	165	328978	48.754	ng	90
52) Acenaphthene	10.039	154	1045095	45.187	ng	100
53) 3-Nitroaniline	9.963	138	198446	26.309	ng	96
54) 2,4-Dinitrophenol	10.080	184	354107	91.246	ng	97
55) Dibenzofuran	10.216	168	1557927	43.820	ng	99
56) 4-Nitrophenol	10.139	139	422330	93.912	ng	94
57) 2,4-Dinitrotoluene	10.204	165	403875	46.856	ng	98
58) Fluorene	10.557	166	1252286	44.295	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.333	232	393907	51.349	ng	99
60) Diethylphthalate	10.422	149	1353564	46.805	ng	98
61) 4-Chlorophenyl-phenyle...	10.545	204	667121	44.953	ng	99
62) 4-Nitroaniline	10.592	138	328111	49.747	ng	99
63) Azobenzene	10.704	77	1349087	45.629	ng	99
65) 4,6-Dinitro-2-methylph...	10.616	198	233711	47.574	ng	99
66) n-Nitrosodiphenylamine	10.669	169	1072641	43.301	ng	99
67) 4-Bromophenyl-phenylether	11.033	248	399203	43.079	ng	99
68) Hexachlorobenzene	11.110	284	462847	47.164	ng	# 92
69) Atrazine	11.192	200	376444	52.770	ng	98
70) Pentachlorophenol	11.310	266	435747	104.653	ng	100
71) Phenanthrene	11.527	178	1802229	44.670	ng	100
72) Anthracene	11.580	178	1800138	43.556	ng	100
73) Carbazole	11.733	167	1642058	44.251	ng	100
74) Di-n-butylphthalate	12.045	149	1964997	44.448	ng	100
75) Fluoranthene	12.721	202	1913904	43.591	ng	98
77) Benzidine	12.839	184	360624	110.725	ng	98
78) Pyrene	12.951	202	2014614	46.350	ng	100
80) Butylbenzylphthalate	13.551	149	842966	47.407	ng	99
81) Benzo(a)anthracene	14.145	228	1721393	45.474	ng	99
82) 3,3'-Dichlorobenzidine	14.098	252	299270	30.456	ng	99
83) Chrysene	14.180	228	1631731	45.616	ng	99
84) Bis(2-ethylhexyl)phtha...	14.110	149	1106138	49.470	ng	# 98
85) Di-n-octyl phthalate	14.727	149	1866316	53.281	ng	100
87) Indeno(1,2,3-cd)pyrene	17.256	276	1223048	44.211	ng	97
88) Benzo(b)fluoranthene	15.227	252	1416057	49.191	ng	99
89) Benzo(k)fluoranthene	15.257	252	1379032	49.021	ng	100
90) Benzo(a)pyrene	15.615	252	1187346	44.244	ng	100
91) Dibenzo(a,h)anthracene	17.268	278	999422	44.269	ng	98
92) Benzo(g,h,i)perylene	17.739	276	1084470	45.973	ng	97

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

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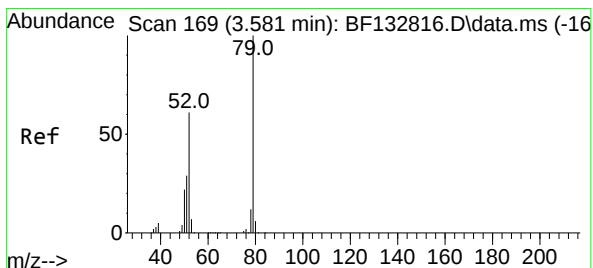
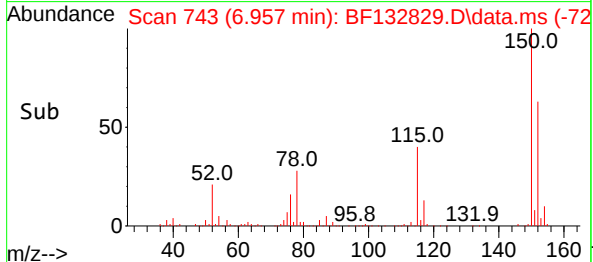
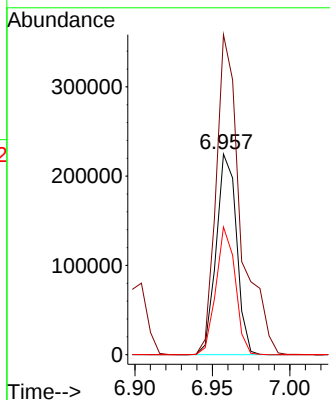
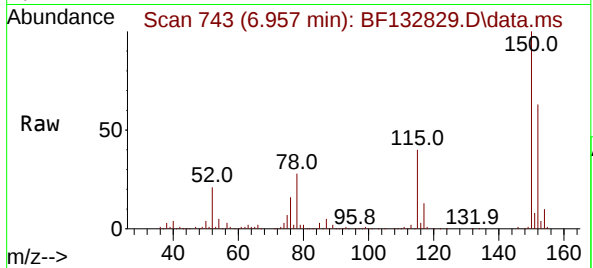




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.957 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF132829.D
Acq: 17 Mar 2023 18:27

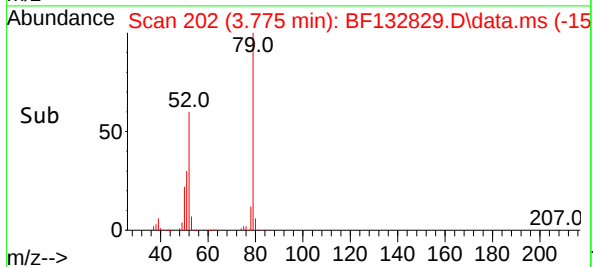
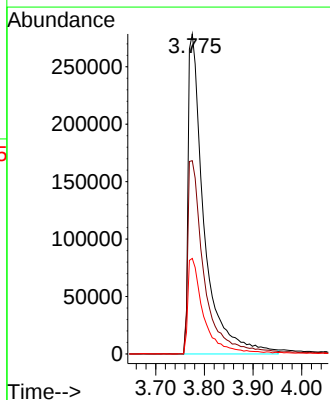
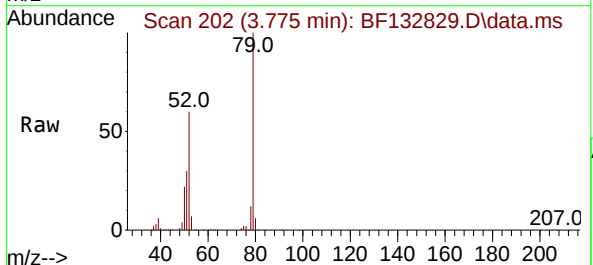
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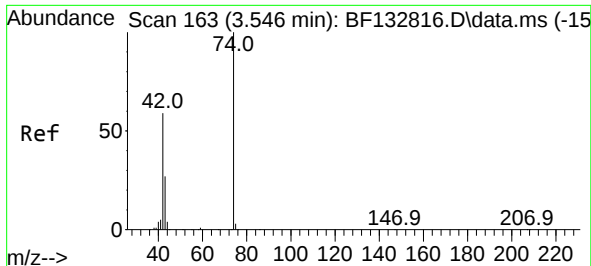
Tgt Ion:152 Resp: 205027
Ion Ratio Lower Upper
152 100
150 159.4 122.7 184.1
115 63.6 46.2 69.4



#3
Pyridine
Concen: 37.530 ng
RT: 3.775 min Scan# 202
Delta R.T. 0.194 min
Lab File: BF132829.D
Acq: 17 Mar 2023 18:27

Tgt Ion: 79 Resp: 632472
Ion Ratio Lower Upper
79 100
52 60.4 48.5 72.7
51 29.9 23.1 34.7

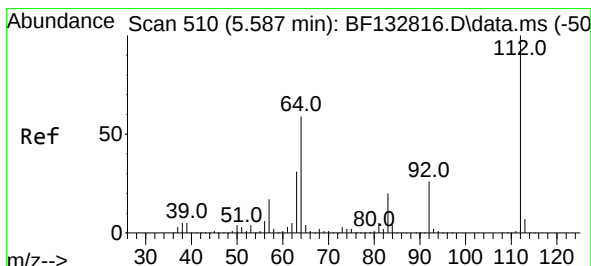
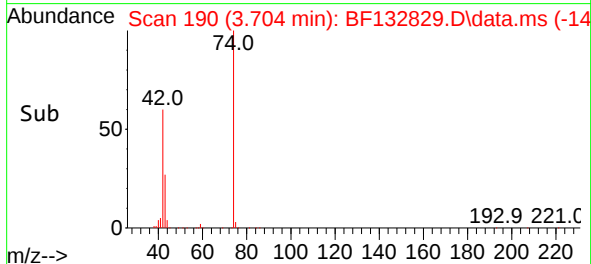
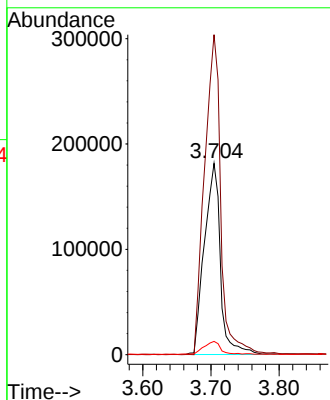
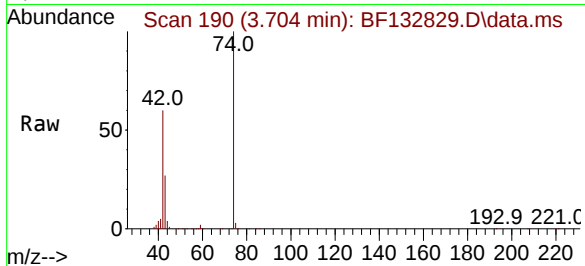




#4
n-Nitrosodimethylamine
Concen: 47.580 ng
RT: 3.704 min Scan# 11
Delta R.T. 0.159 min
Lab File: BF132829.D
Acq: 17 Mar 2023 18:27

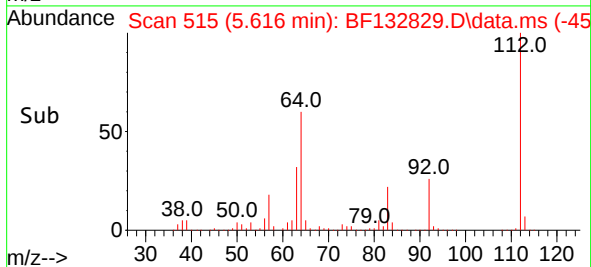
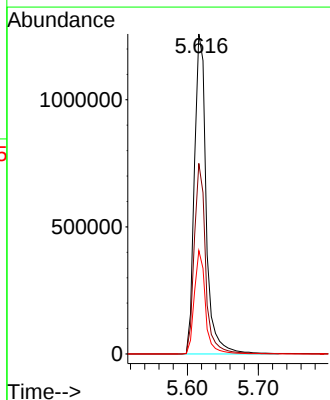
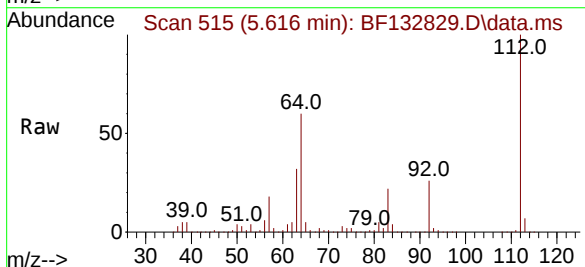
Instrument :
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ClientSampleId :
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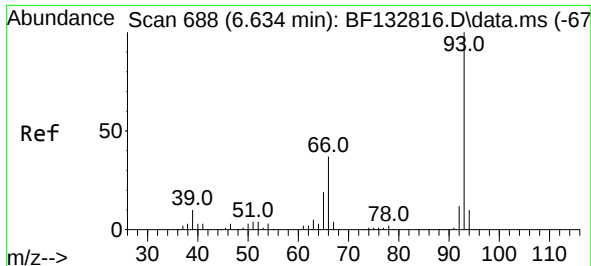
Tgt Ion: 42 Resp: 297680
Ion Ratio Lower Upper
42 100
74 167.1 135.2 202.8
44 6.9 6.0 9.0



#5
2-Fluorophenol
Concen: 120.288 ng
RT: 5.616 min Scan# 515
Delta R.T. 0.030 min
Lab File: BF132829.D
Acq: 17 Mar 2023 18:27

Tgt Ion: 112 Resp: 1461557
Ion Ratio Lower Upper
112 100
64 59.5 47.1 70.7
63 32.3 24.4 36.6

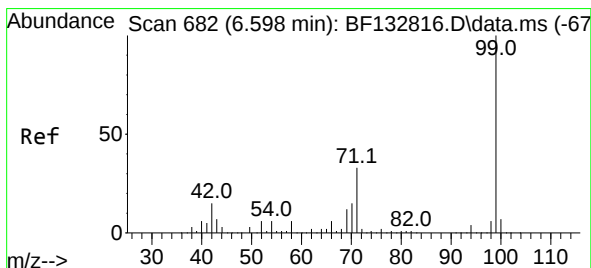
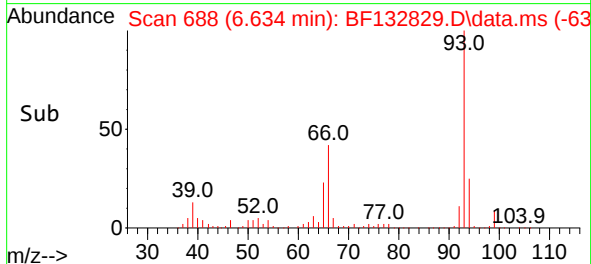
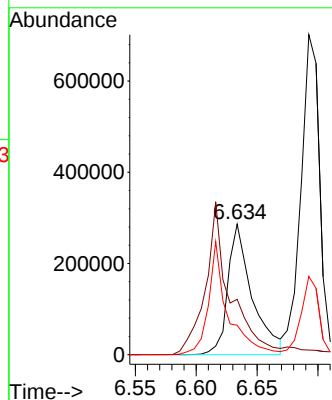
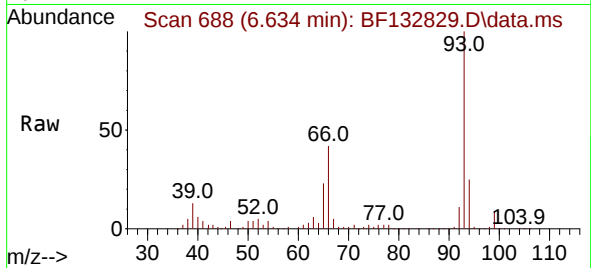




#6
Aniline
Concen: 21.963 ng
RT: 6.634 min Scan# 61
Delta R.T. 0.000 min
Lab File: BF132829.D
Acq: 17 Mar 2023 18:27

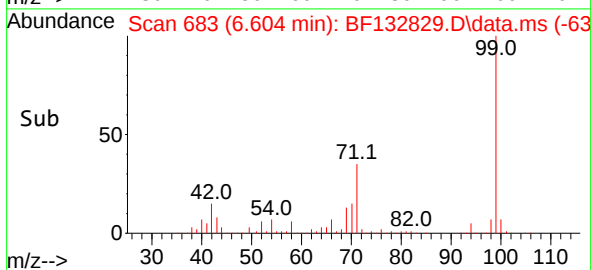
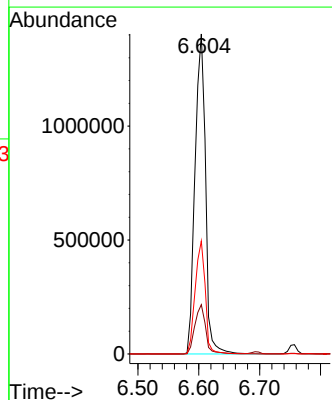
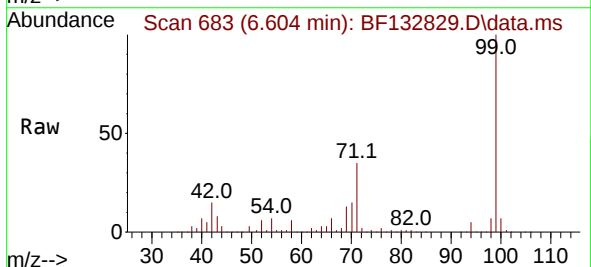
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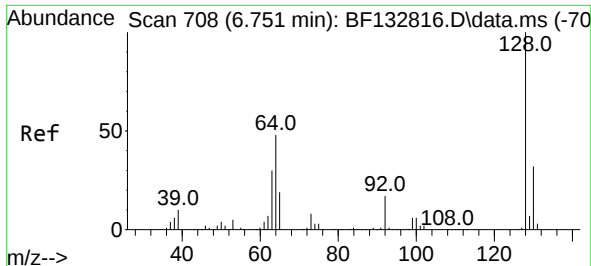
Tgt Ion: 93 Resp: 397882
Ion Ratio Lower Upper
93 100
66 42.5 30.1 45.1
65 22.5 15.0 22.6



#7
Phenol-d6
Concen: 106.814 ng
RT: 6.604 min Scan# 683
Delta R.T. 0.006 min
Lab File: BF132829.D
Acq: 17 Mar 2023 18:27

Tgt Ion: 99 Resp: 1684571
Ion Ratio Lower Upper
99 100
42 15.4 11.9 17.9
71 35.3 26.3 39.5

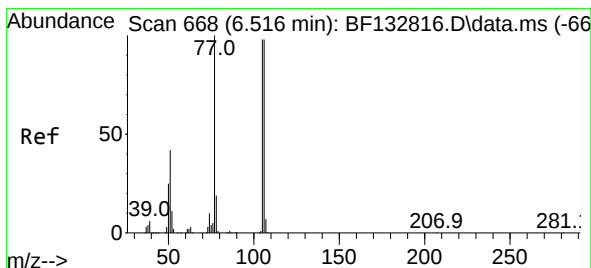
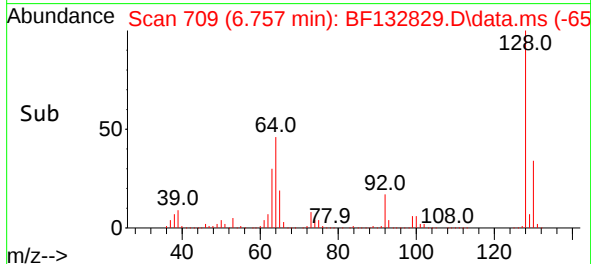
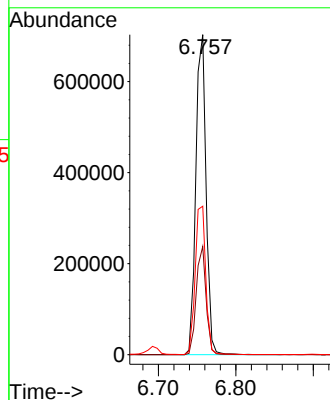
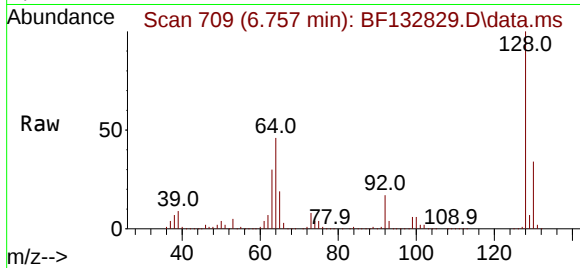




#8
2-Chlorophenol
Concen: 49.711 ng
RT: 6.757 min Scan# 708
Delta R.T. 0.006 min
Lab File: BF132829.D
Acq: 17 Mar 2023 18:27

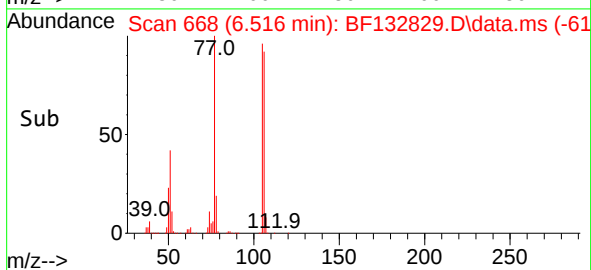
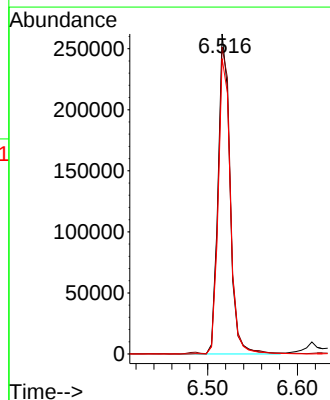
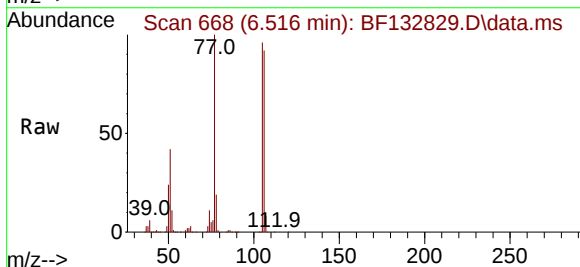
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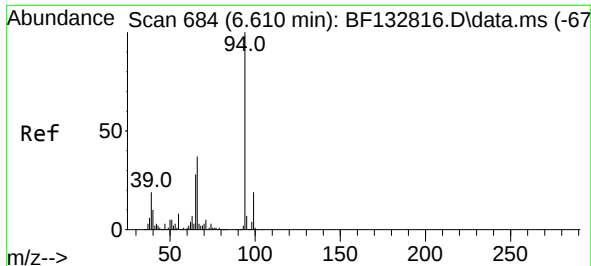
Tgt Ion:128 Resp: 644542
Ion Ratio Lower Upper
128 100
130 33.8 12.4 52.4
64 46.4 28.4 68.4



#9
Benzaldehyde
Concen: 37.132 ng
RT: 6.516 min Scan# 668
Delta R.T. 0.000 min
Lab File: BF132829.D
Acq: 17 Mar 2023 18:27

Tgt Ion: 77 Resp: 240984
Ion Ratio Lower Upper
77 100
105 95.9 77.5 117.5
106 92.3 78.5 118.5

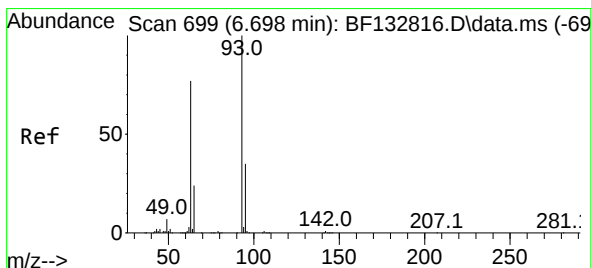
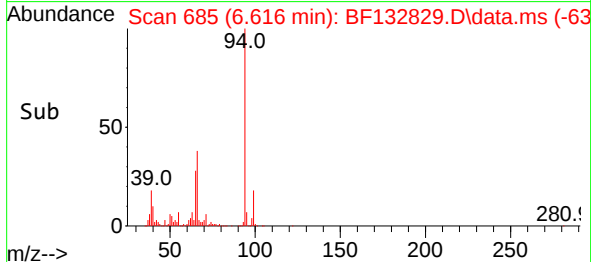
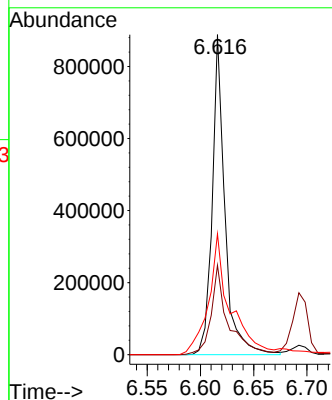
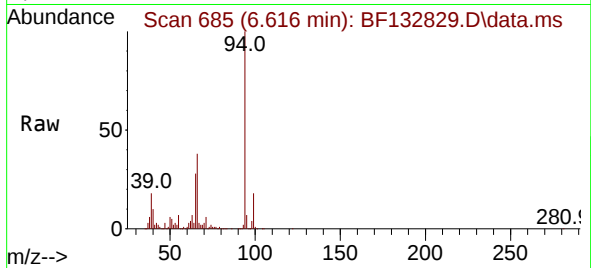




#10
Phenol
Concen: 41.040 ng
RT: 6.616 min Scan# 61
Delta R.T. 0.006 min
Lab File: BF132829.D
Acq: 17 Mar 2023 18:27

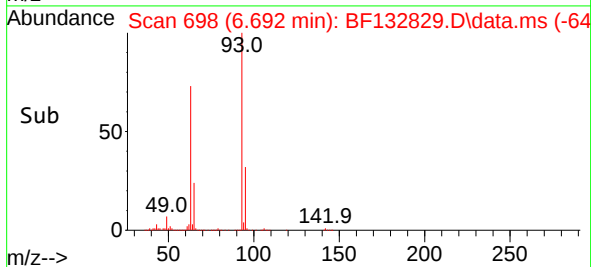
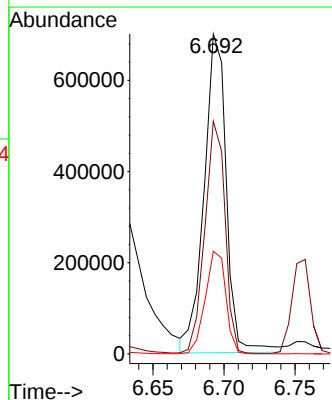
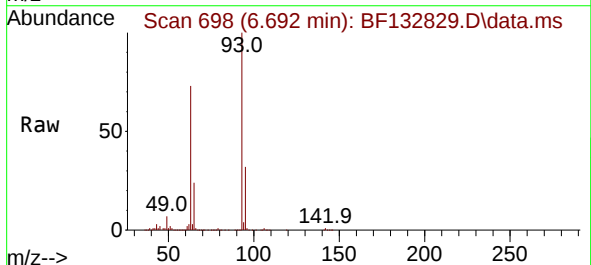
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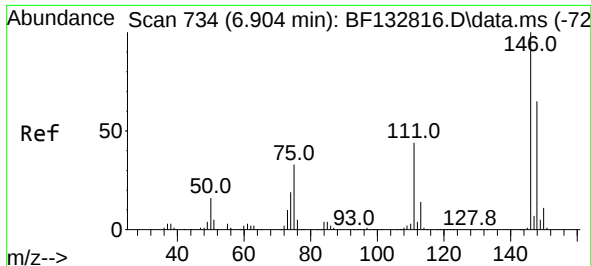
Tgt Ion: 94 Resp: 735275
Ion Ratio Lower Upper
94 100
65 27.9 7.7 47.7
66 37.8 16.5 56.5



#11
bis(2-Chloroethyl)ether
Concen: 46.075 ng
RT: 6.692 min Scan# 698
Delta R.T. -0.006 min
Lab File: BF132829.D
Acq: 17 Mar 2023 18:27

Tgt Ion: 93 Resp: 763427
Ion Ratio Lower Upper
93 100
63 72.8 50.5 90.5
95 32.1 11.8 51.8





#12

1,3-Dichlorobenzene

Concen: 49.029 ng

RT: 6.904 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF132829.D

Acq: 17 Mar 2023 18:27

Instrument :

BNA_F

ClientSampleId :

HILLBOR-DRUMS-0314

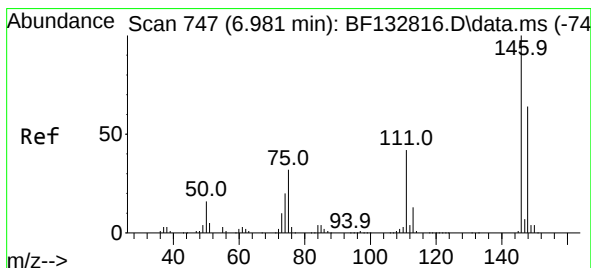
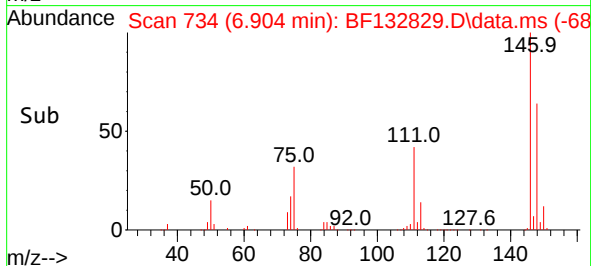
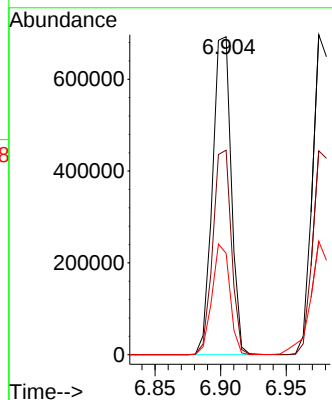
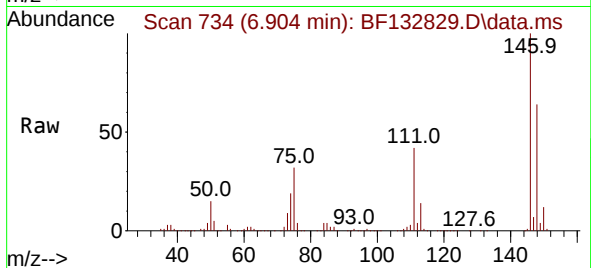
Tgt Ion:146 Resp: 688961

Ion Ratio Lower Upper

146 100

148 64.3 51.8 77.8

75 31.8 26.4 39.6



#13

1,4-Dichlorobenzene

Concen: 47.744 ng

RT: 6.975 min Scan# 746

Delta R.T. -0.006 min

Lab File: BF132829.D

Acq: 17 Mar 2023 18:27

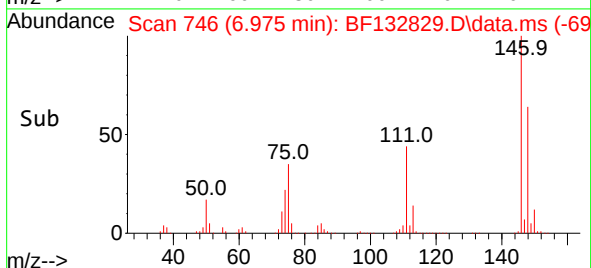
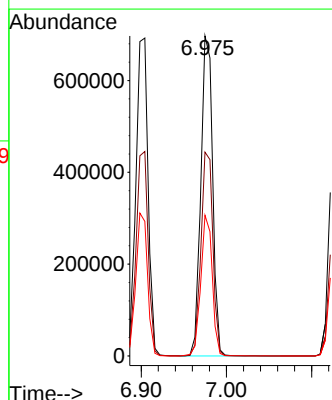
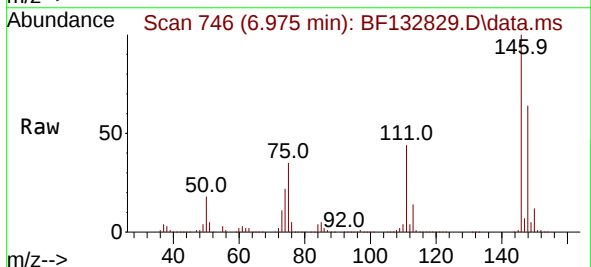
Tgt Ion:146 Resp: 669620

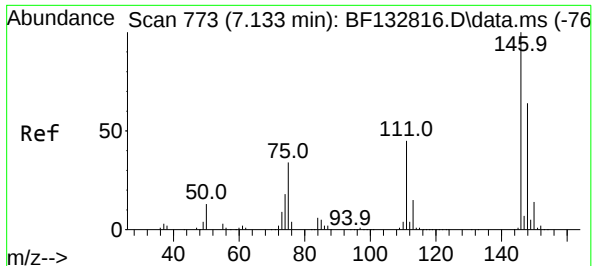
Ion Ratio Lower Upper

146 100

148 63.7 51.2 76.8

111 43.9 33.8 50.6

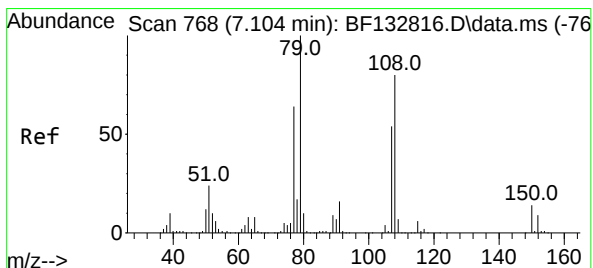
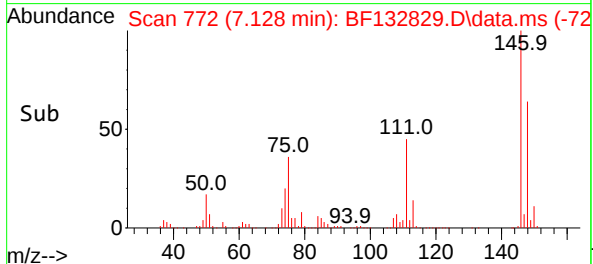
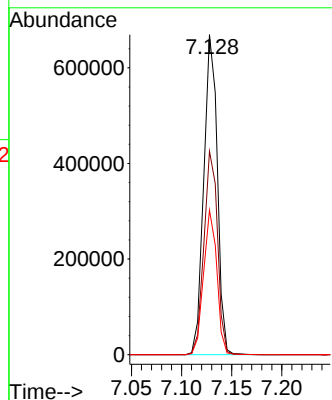
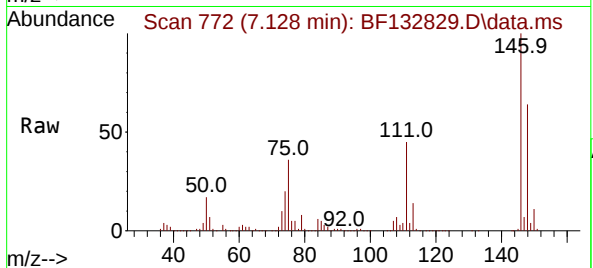




#14
1,2-Dichlorobenzene
Concen: 49.376 ng
RT: 7.128 min Scan# 712
Delta R.T. -0.006 min
Lab File: BF132829.D
Acq: 17 Mar 2023 18:27

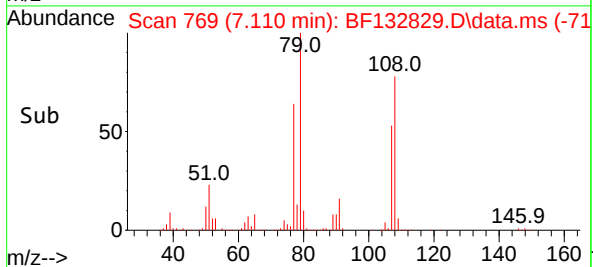
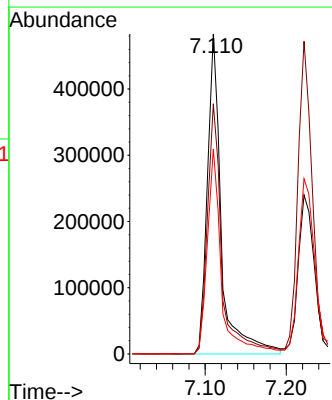
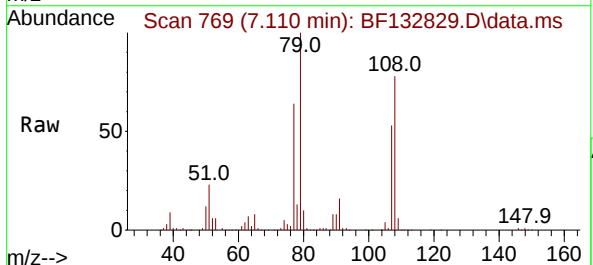
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314

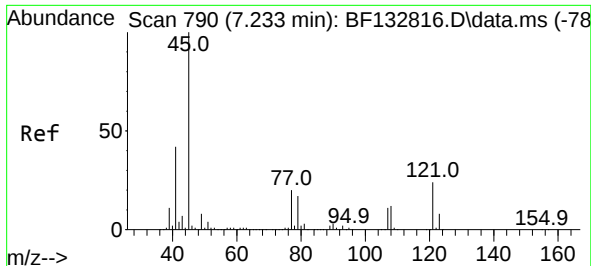
Tgt Ion:146 Resp: 631884
Ion Ratio Lower Upper
146 100
148 63.6 50.9 76.3
111 45.2 35.8 53.8



#15
Benzyl Alcohol
Concen: 63.482 ng
RT: 7.110 min Scan# 769
Delta R.T. 0.006 min
Lab File: BF132829.D
Acq: 17 Mar 2023 18:27

Tgt Ion: 79 Resp: 579060
Ion Ratio Lower Upper
79 100
108 78.2 64.2 96.2
77 64.0 51.4 77.2

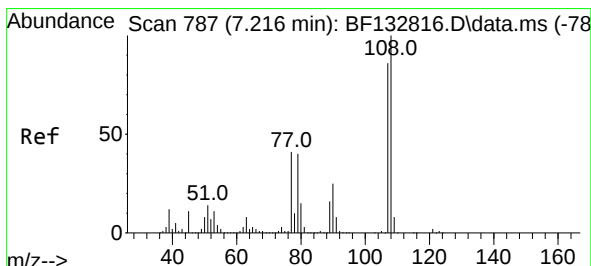
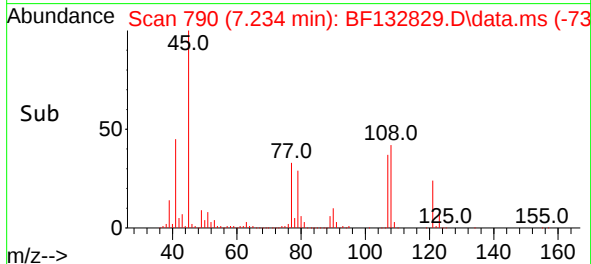
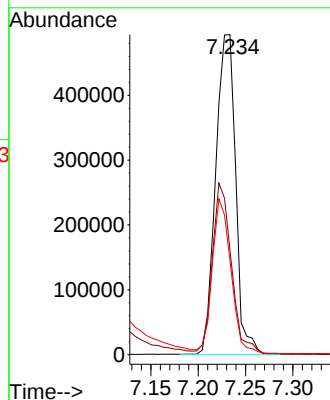
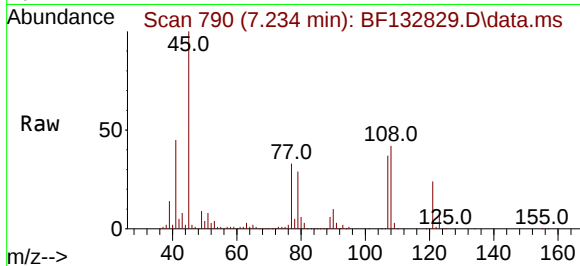




#16
2,2'-oxybis(1-Chloropropane)
Concen: 44.867 ng
RT: 7.234 min Scan# 790
Delta R.T. 0.000 min
Lab File: BF132829.D
Acq: 17 Mar 2023 18:27

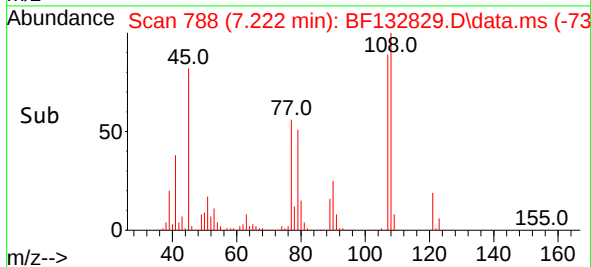
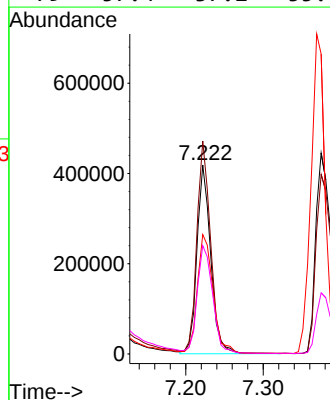
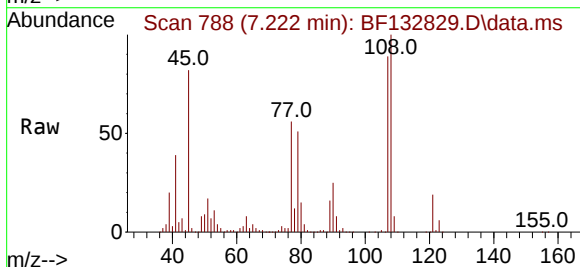
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314

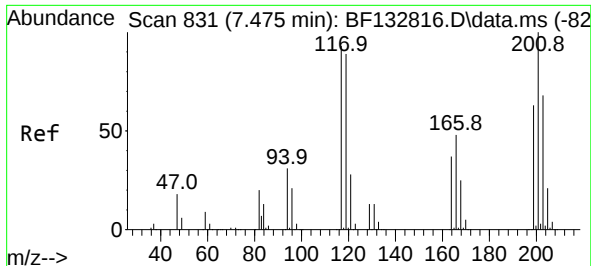
Tgt Ion: 45 Resp: 723334
Ion Ratio Lower Upper
45 100
77 32.7 0.7 40.7
79 29.5 0.0 37.2



#17
2-Methylphenol
Concen: 43.937 ng
RT: 7.222 min Scan# 788
Delta R.T. 0.006 min
Lab File: BF132829.D
Acq: 17 Mar 2023 18:27

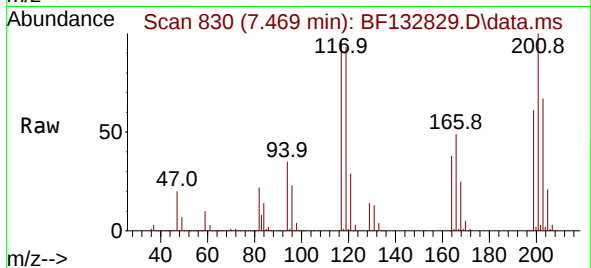
Tgt Ion:107 Resp: 517697
Ion Ratio Lower Upper
107 100
108 112.8 92.6 139.0
77 63.2 38.6 57.8#
79 57.4 37.2 55.8#



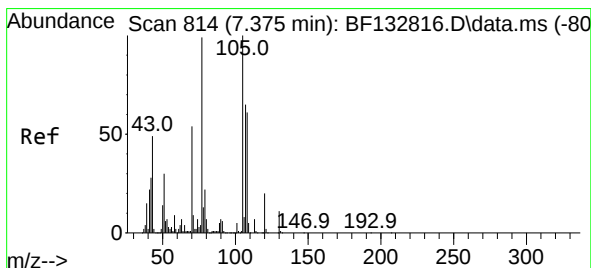
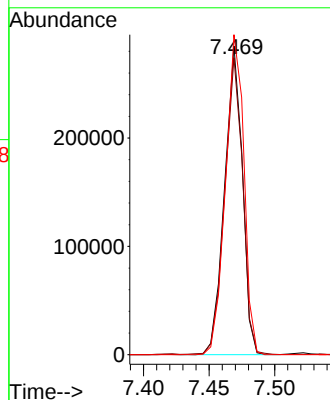
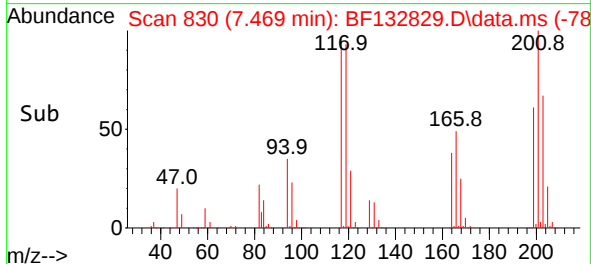


#18
Hexachloroethane
Concen: 50.179 ng
RT: 7.469 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF132829.D
Acq: 17 Mar 2023 18:27

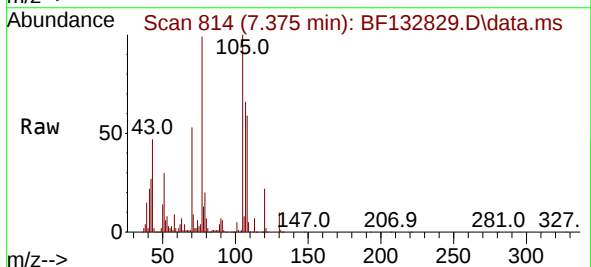
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314



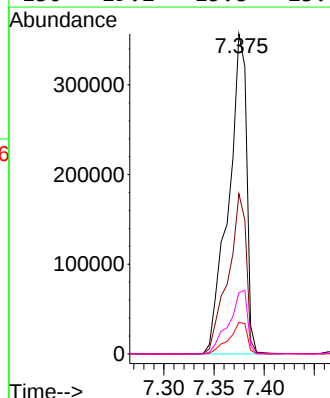
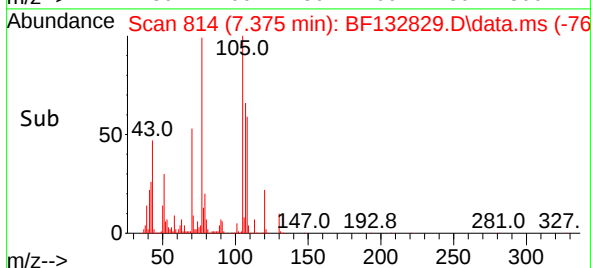
Tgt Ion:117 Resp: 269319
Ion Ratio Lower Upper
117 100
119 96.2 77.3 115.9
201 103.7 86.4 129.6

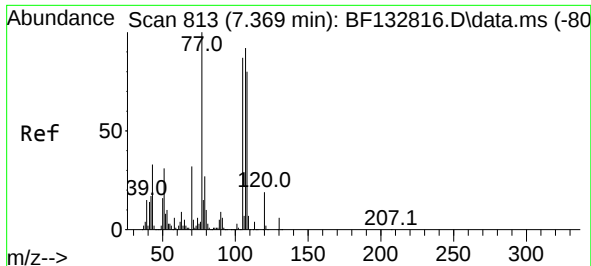


#19
n-Nitroso-di-n-propylamine
Concen: 50.023 ng
RT: 7.375 min Scan# 814
Delta R.T. 0.000 min
Lab File: BF132829.D
Acq: 17 Mar 2023 18:27



Tgt Ion: 70 Resp: 450124
Ion Ratio Lower Upper
70 100
42 50.0 40.9 61.3
101 9.9 7.8 11.6
130 19.2 15.8 23.6





#20

3+4-Methylphenols

Concen: 46.618 ng

RT: 7.375 min Scan# 813

Delta R.T. 0.006 min

Lab File: BF132829.D

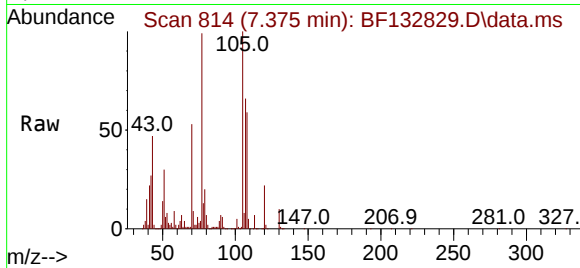
Acq: 17 Mar 2023 18:27

Instrument :

BNA_F

ClientSampleId :

HILLBOR-DRUMS-0314



Tgt Ion:107 Resp: 661382

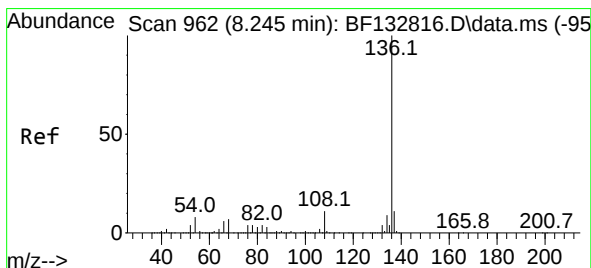
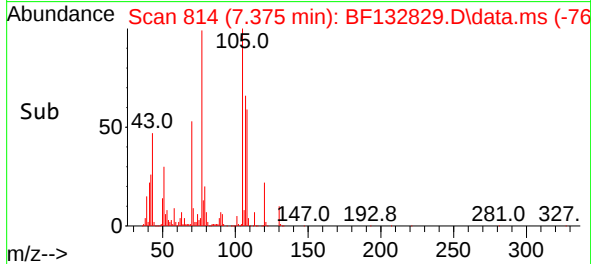
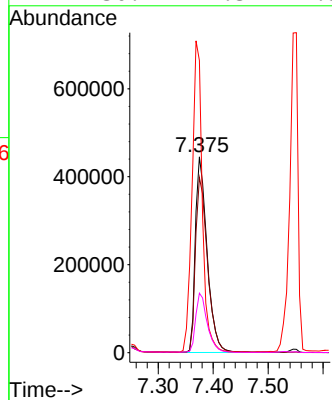
Ion Ratio Lower Upper

107 100

108 89.4 67.6 107.6

77 149.2 89.1 129.1#

79 30.4 9.3 49.3



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.245 min Scan# 962

Delta R.T. 0.000 min

Lab File: BF132829.D

Acq: 17 Mar 2023 18:27

Tgt Ion:136 Resp: 794225

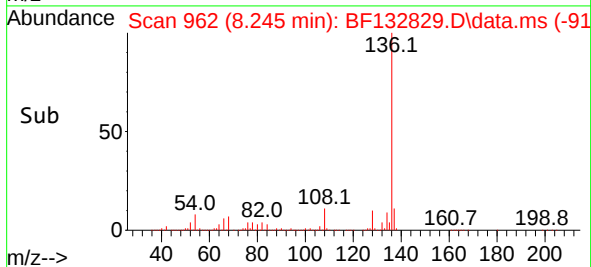
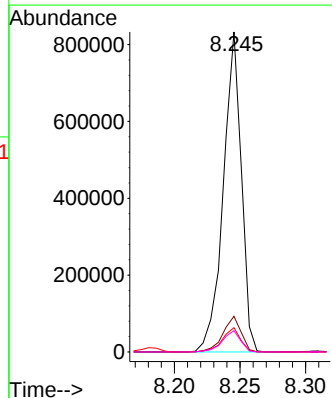
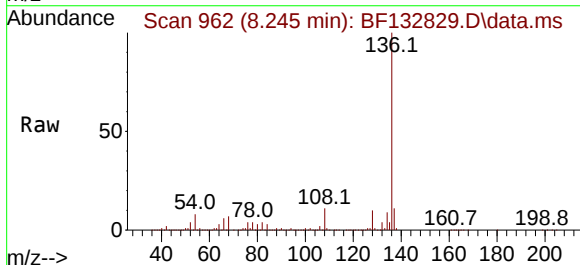
Ion Ratio Lower Upper

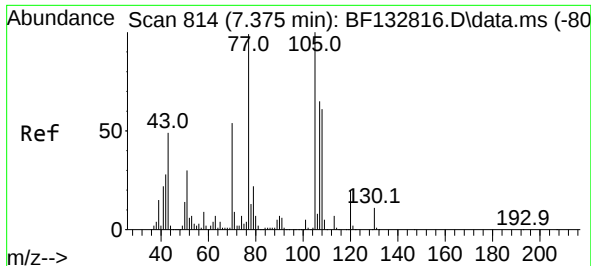
136 100

137 11.2 9.0 13.6

54 7.6 6.1 9.1

68 6.7 5.2 7.8

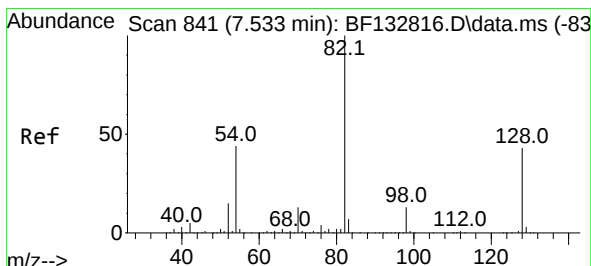
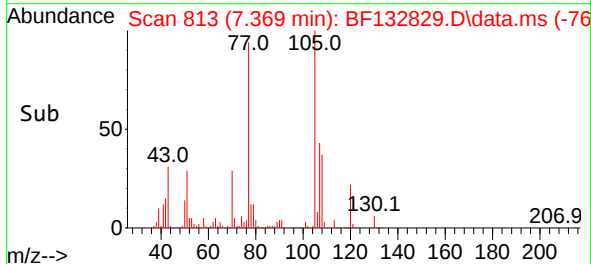
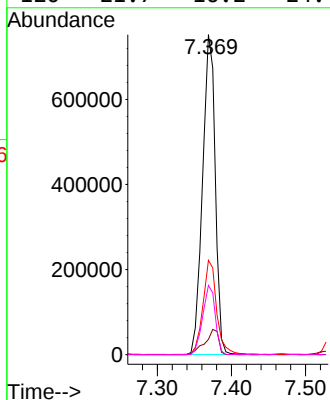
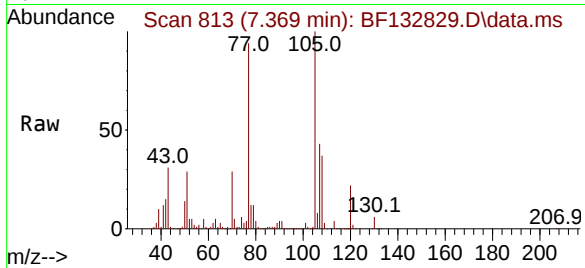




#22
Acetophenone
Concen: 47.362 ng
RT: 7.369 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF132829.D
Acq: 17 Mar 2023 18:27

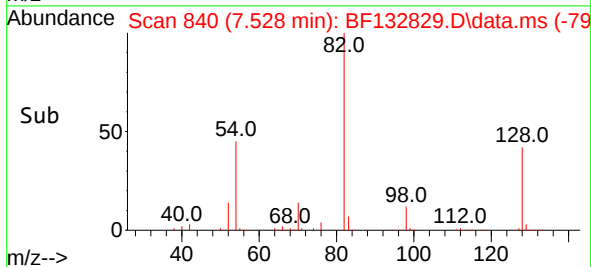
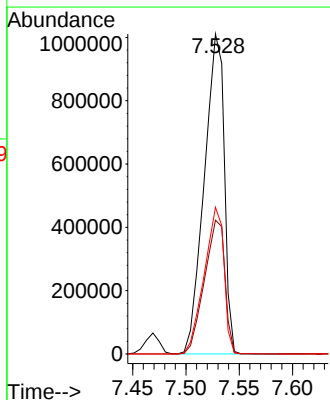
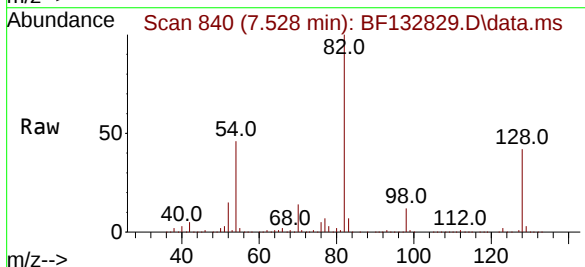
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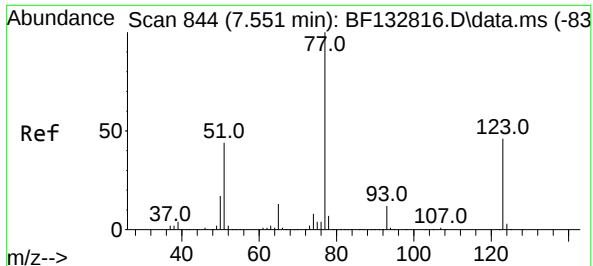
Tgt Ion:105 Resp: 898141
Ion Ratio Lower Upper
105 100
71 4.8 7.3 10.9#
51 29.5 23.9 35.9
120 21.7 16.2 24.4



#23
Nitrobenzene-d5
Concen: 85.089 ng
RT: 7.528 min Scan# 840
Delta R.T. -0.006 min
Lab File: BF132829.D
Acq: 17 Mar 2023 18:27

Tgt Ion: 82 Resp: 1320563
Ion Ratio Lower Upper
82 100
128 41.8 34.4 51.6
54 45.8 35.2 52.8

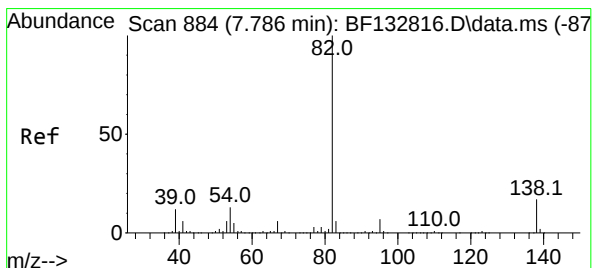
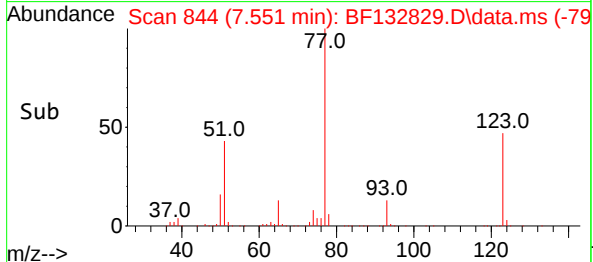
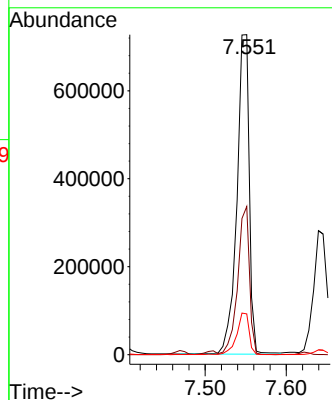
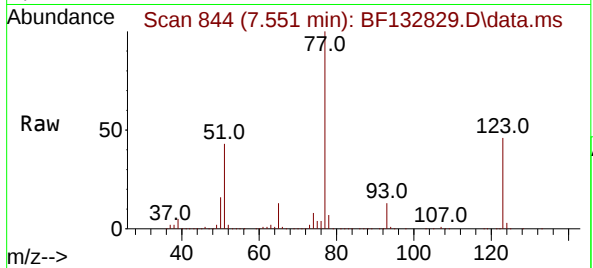




#24
Nitrobenzene
Concen: 45.848 ng
RT: 7.551 min Scan# 844
Delta R.T. 0.000 min
Lab File: BF132829.D
Acq: 17 Mar 2023 18:27

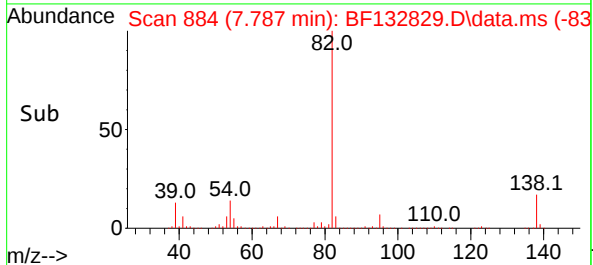
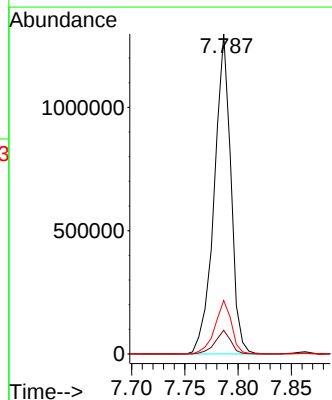
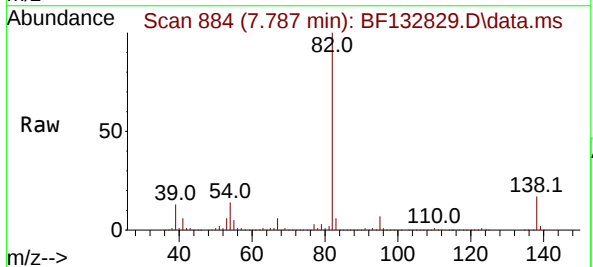
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HILLBOR-DRUMS-0314

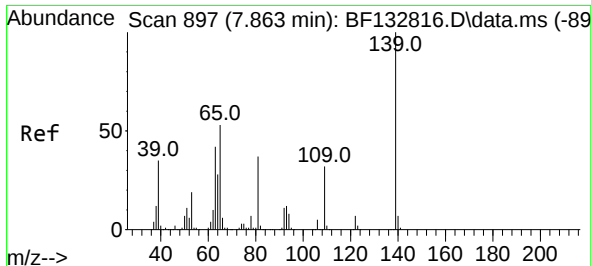
Tgt Ion: 77 Resp: 769271
Ion Ratio Lower Upper
77 100
123 46.3 36.4 54.6
65 12.8 10.3 15.5



#25
Isophorone
Concen: 46.119 ng
RT: 7.787 min Scan# 884
Delta R.T. 0.000 min
Lab File: BF132829.D
Acq: 17 Mar 2023 18:27

Tgt Ion: 82 Resp: 1407060
Ion Ratio Lower Upper
82 100
95 7.4 5.7 8.5
138 16.7 13.7 20.5

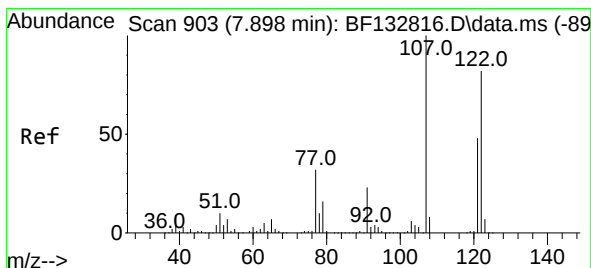
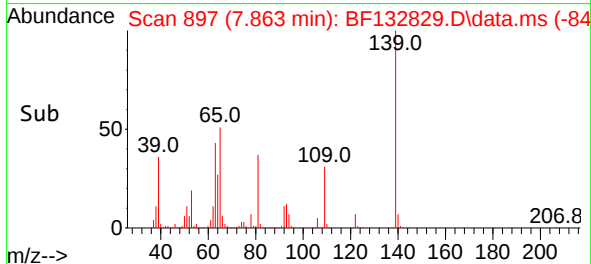
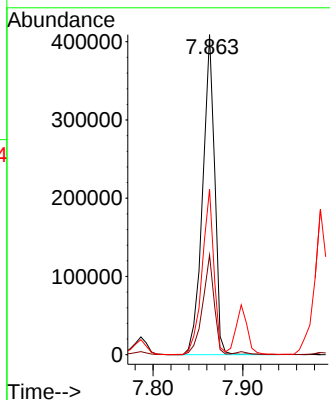
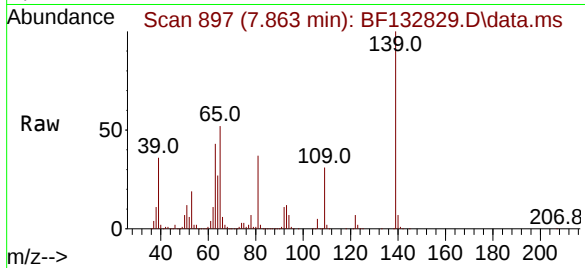




#26
2-Nitrophenol
Concen: 48.874 ng
RT: 7.863 min Scan# 89
Delta R.T. 0.000 min
Lab File: BF132829.D
Acq: 17 Mar 2023 18:27

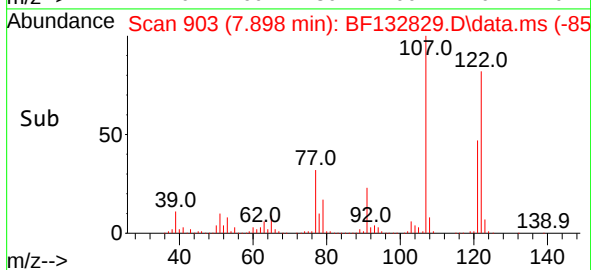
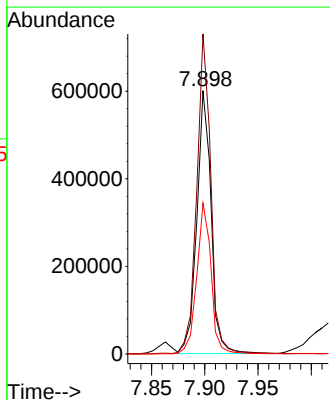
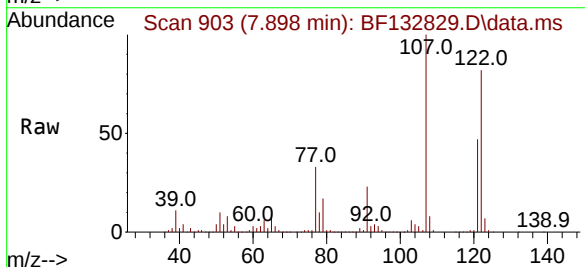
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ClientSampleId :
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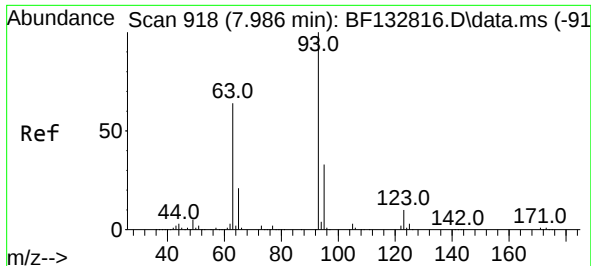
Tgt Ion:139 Resp: 381978
Ion Ratio Lower Upper
139 100
109 31.2 25.8 38.8
65 51.7 42.7 64.1



#27
2,4-Dimethylphenol
Concen: 46.151 ng
RT: 7.898 min Scan# 903
Delta R.T. 0.000 min
Lab File: BF132829.D
Acq: 17 Mar 2023 18:27

Tgt Ion:122 Resp: 558824
Ion Ratio Lower Upper
122 100
107 121.5 97.0 145.4
121 57.2 46.4 69.6

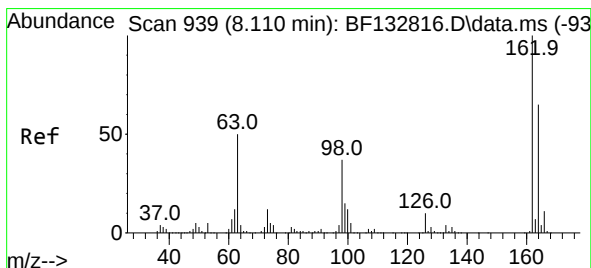
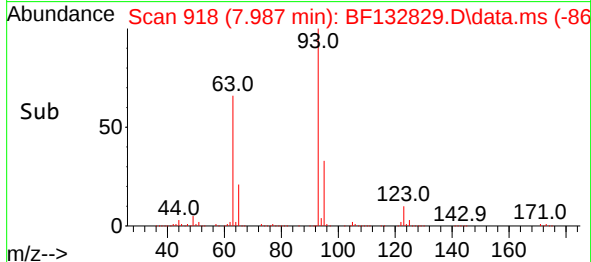
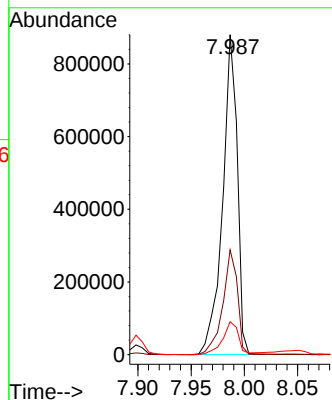
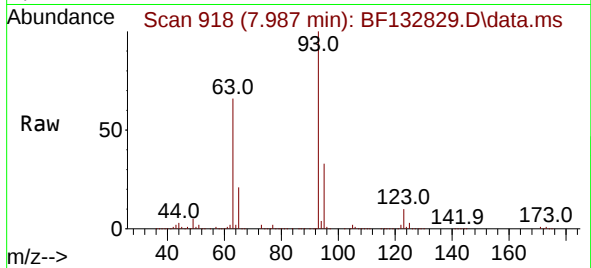




#28
bis(2-Chloroethoxy)methane
Concen: 45.798 ng
RT: 7.987 min Scan# 918
Delta R.T. 0.000 min
Lab File: BF132829.D
Acq: 17 Mar 2023 18:27

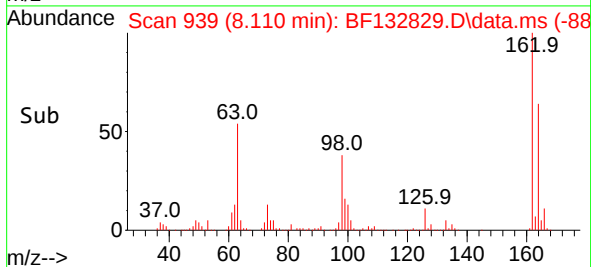
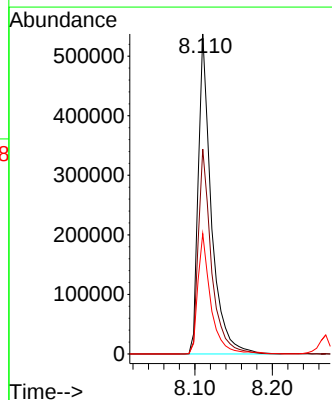
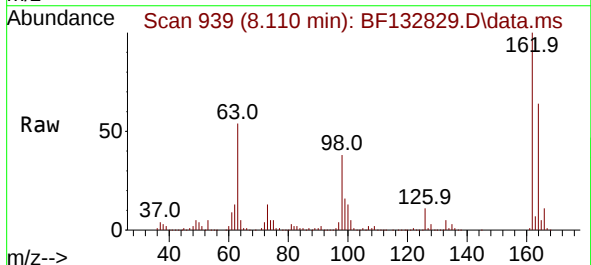
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314

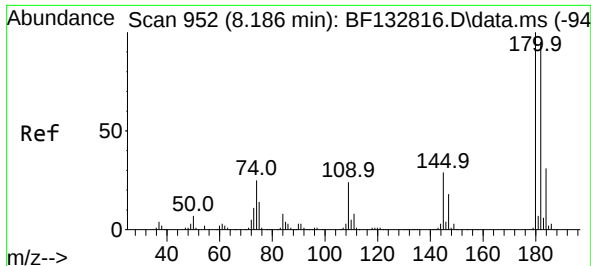
Tgt Ion: 93 Resp: 839250
Ion Ratio Lower Upper
93 100
95 32.8 26.4 39.6
123 10.3 8.4 12.6



#29
2,4-Dichlorophenol
Concen: 50.000 ng
RT: 8.110 min Scan# 939
Delta R.T. 0.000 min
Lab File: BF132829.D
Acq: 17 Mar 2023 18:27

Tgt Ion:162 Resp: 626819
Ion Ratio Lower Upper
162 100
164 64.1 44.7 84.7
98 37.6 16.6 56.6





#30

1,2,4-Trichlorobenzene

Concen: 47.674 ng

RT: 8.186 min Scan# 952

Delta R.T. 0.000 min

Lab File: BF132829.D

Acq: 17 Mar 2023 18:27

Instrument :

BNA_F

ClientSampleId :

HILLBOR-DRUMS-0314

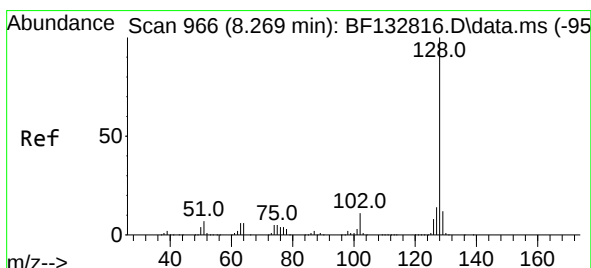
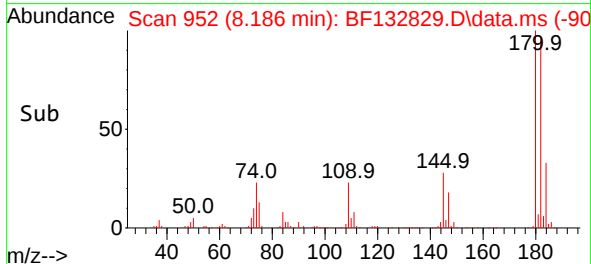
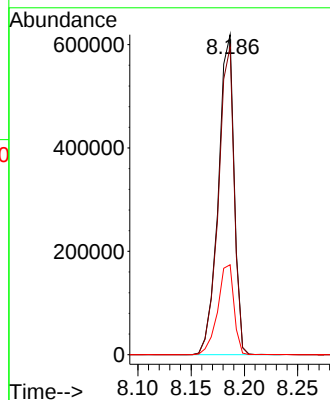
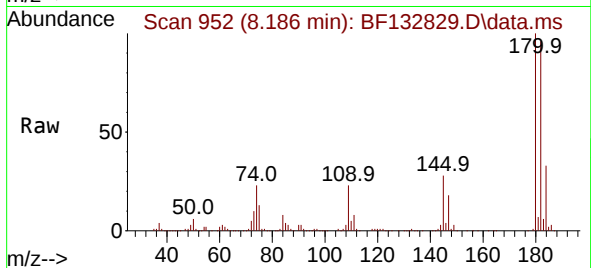
Tgt Ion:180 Resp: 639238

Ion Ratio Lower Upper

180 100

182 96.2 75.9 113.9

145 28.1 23.0 34.4



#31

Naphthalene

Concen: 45.196 ng

RT: 8.269 min Scan# 966

Delta R.T. 0.000 min

Lab File: BF132829.D

Acq: 17 Mar 2023 18:27

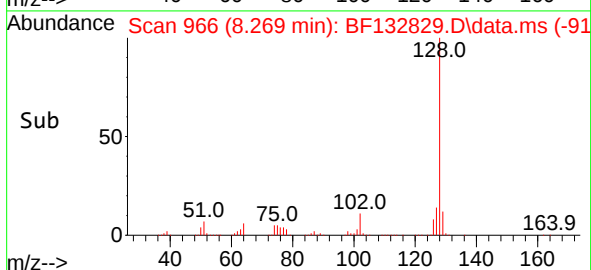
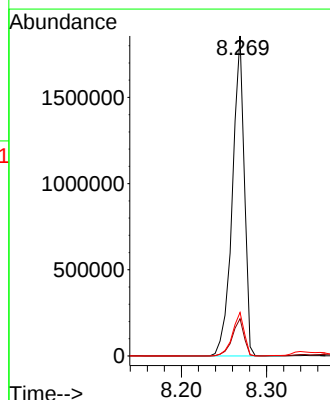
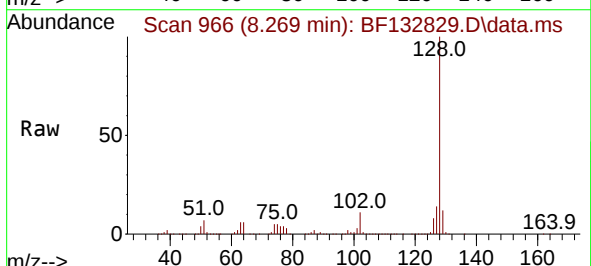
Tgt Ion:128 Resp: 1800792

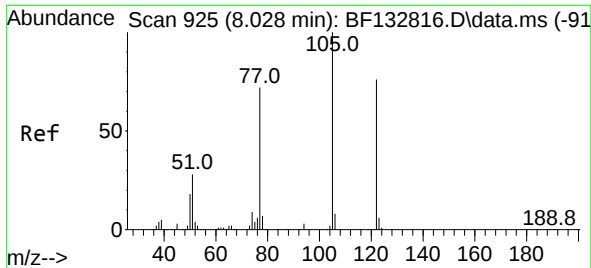
Ion Ratio Lower Upper

128 100

129 11.6 9.4 14.2

127 13.6 11.1 16.7

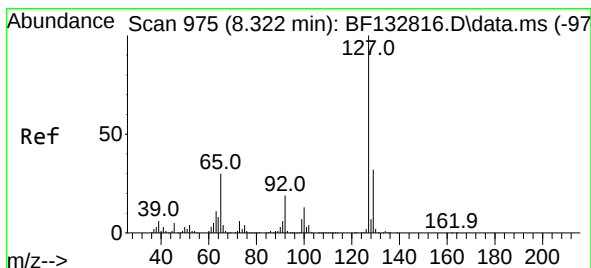
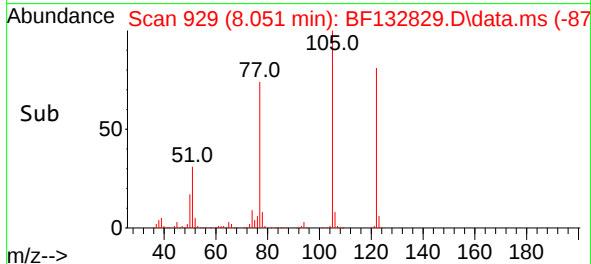
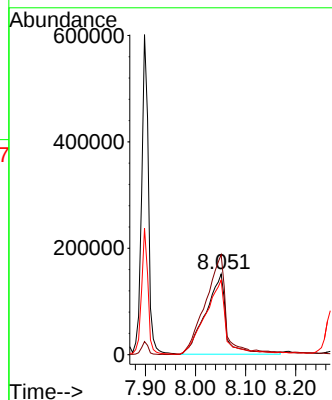
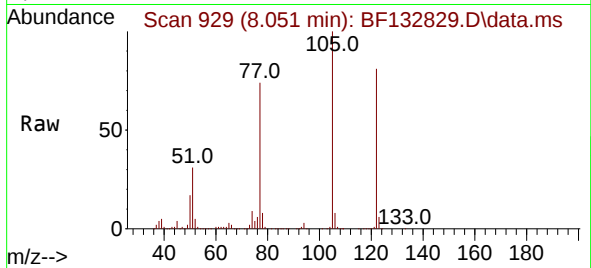




#32
Benzoic acid
Concen: 55.227 ng
RT: 8.051 min Scan# 91
Delta R.T. 0.023 min
Lab File: BF132829.D
Acq: 17 Mar 2023 18:27

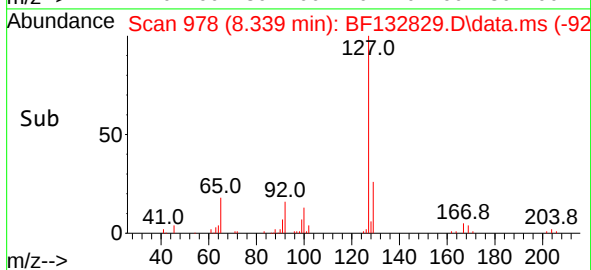
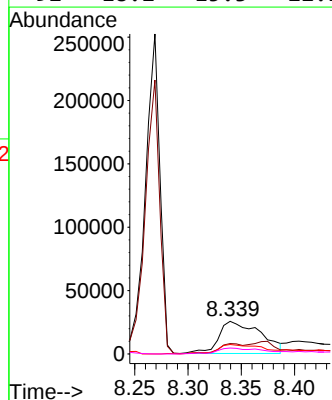
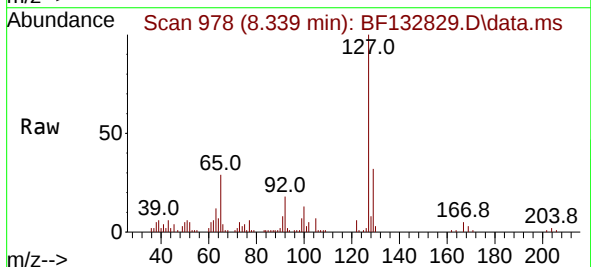
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314

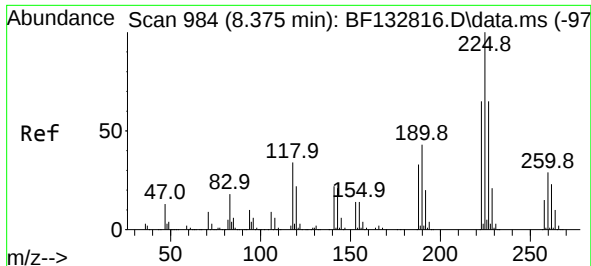
Tgt Ion:122 Resp: 428280
Ion Ratio Lower Upper
122 100
105 124.1 110.8 150.8
77 92.5 74.2 114.2



#33
4-Chloroaniline
Concen: 3.995 ng
RT: 8.339 min Scan# 978
Delta R.T. 0.018 min
Lab File: BF132829.D
Acq: 17 Mar 2023 18:27

Tgt Ion:127 Resp: 69393
Ion Ratio Lower Upper
127 100
129 32.0 25.8 38.6
65 29.1 24.1 36.1
92 18.2 15.3 22.9

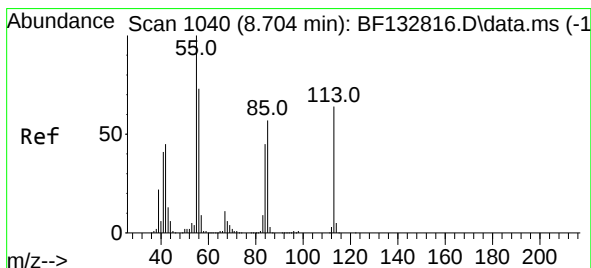
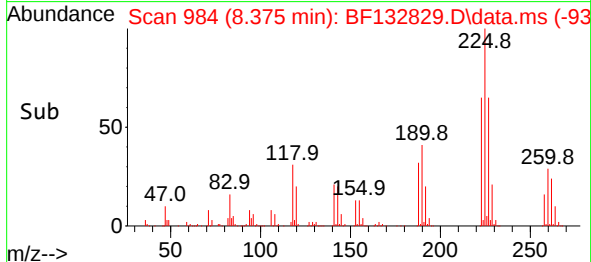
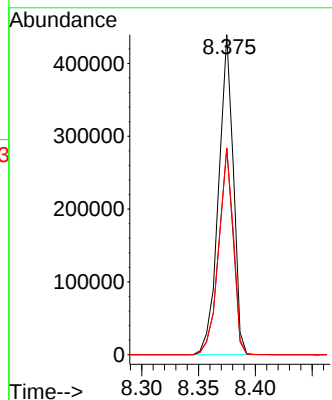
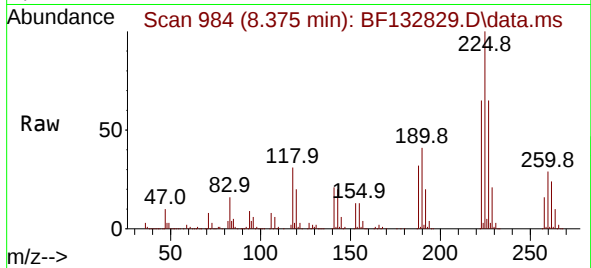




#34
Hexachlorobutadiene
Concen: 46.641 ng
RT: 8.375 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF132829.D
Acq: 17 Mar 2023 18:27

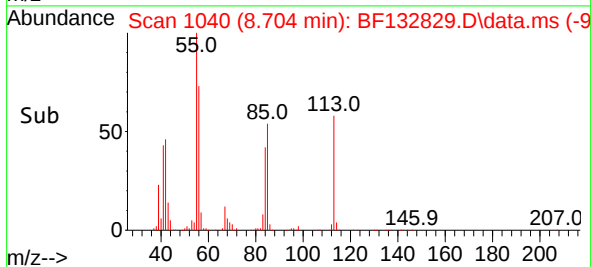
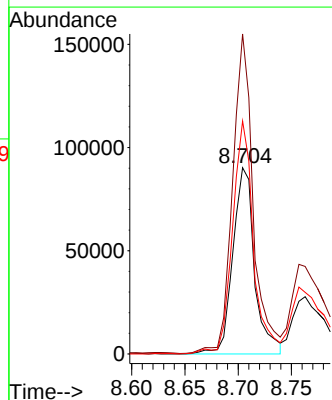
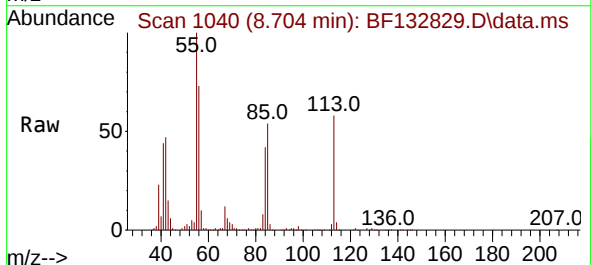
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314

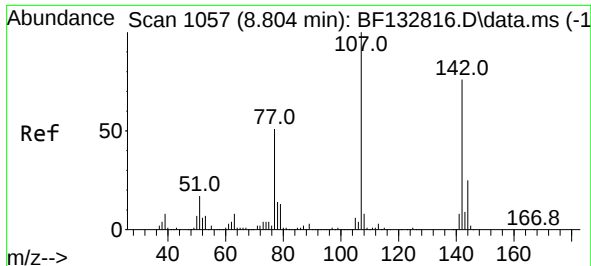
Tgt Ion:225 Resp: 396786
Ion Ratio Lower Upper
225 100
223 64.6 51.8 77.6
227 64.6 52.2 78.2



#35
Caprolactam
Concen: 33.320 ng
RT: 8.704 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF132829.D
Acq: 17 Mar 2023 18:27

Tgt Ion:113 Resp: 128060
Ion Ratio Lower Upper
113 100
55 171.9 136.3 176.3
56 125.1 94.7 134.7

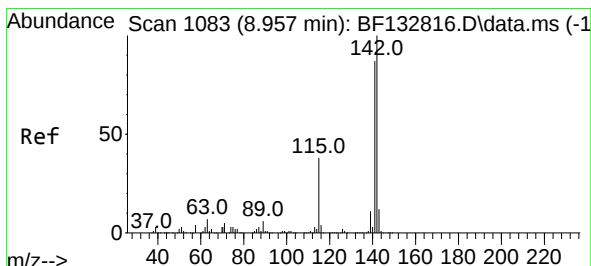
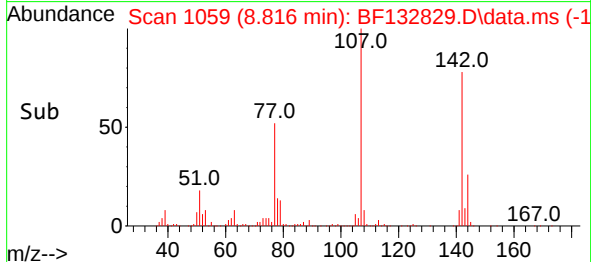
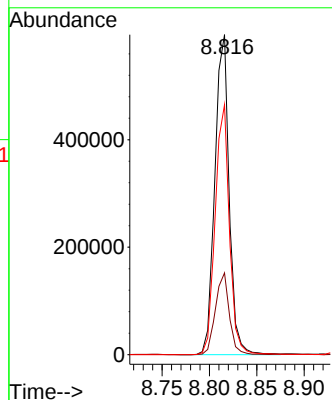
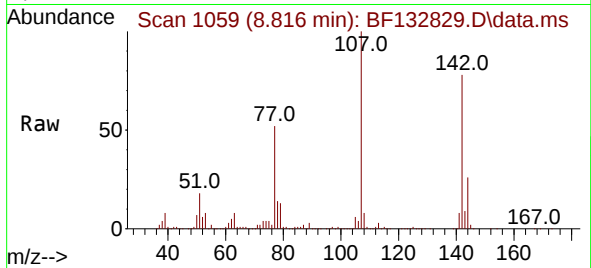




#36
4-Chloro-3-methylphenol
Concen: 49.052 ng
RT: 8.816 min Scan# 1059
Delta R.T. 0.012 min
Lab File: BF132829.D
Acq: 17 Mar 2023 18:27

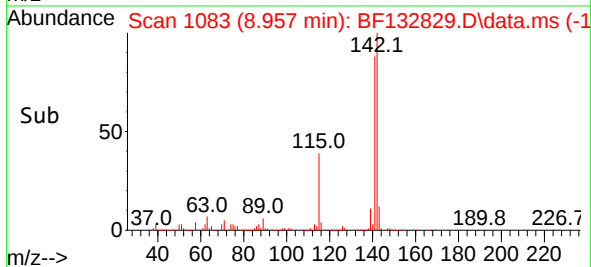
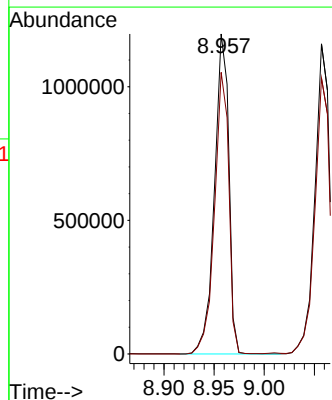
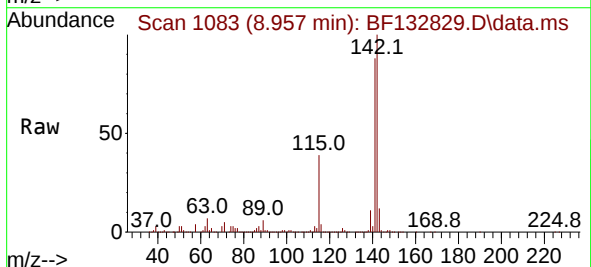
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314

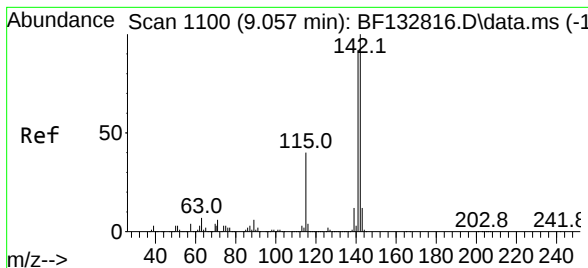
Tgt Ion:107 Resp: 625414
Ion Ratio Lower Upper
107 100
144 25.5 20.0 30.0
142 78.1 61.1 91.7



#37
2-Methylnaphthalene
Concen: 44.516 ng
RT: 8.957 min Scan# 1083
Delta R.T. 0.000 min
Lab File: BF132829.D
Acq: 17 Mar 2023 18:27

Tgt Ion:142 Resp: 1189473
Ion Ratio Lower Upper
142 100
141 88.0 69.3 103.9





#38

1-Methylnaphthalene

Concen: 45.873 ng

RT: 9.057 min Scan# 1100

Delta R.T. 0.000 min

Lab File: BF132829.D

Acq: 17 Mar 2023 18:27

Instrument :

BNA_F

ClientSampleId :

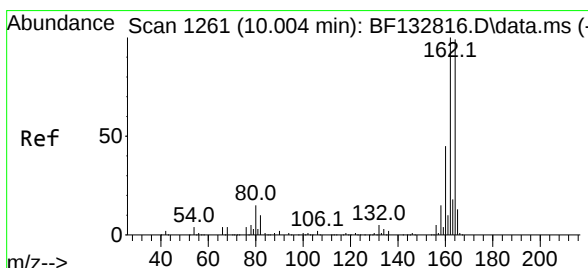
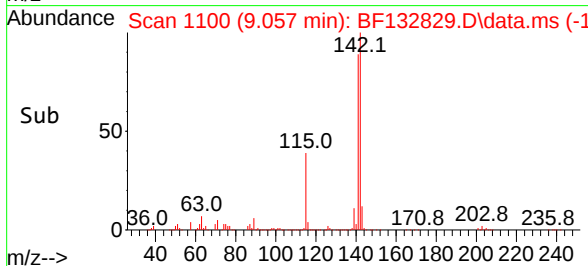
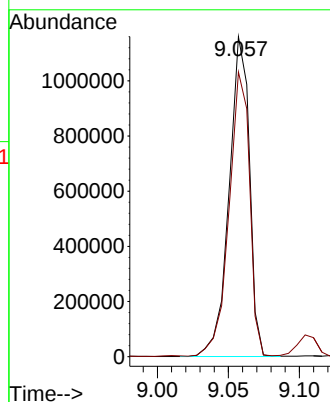
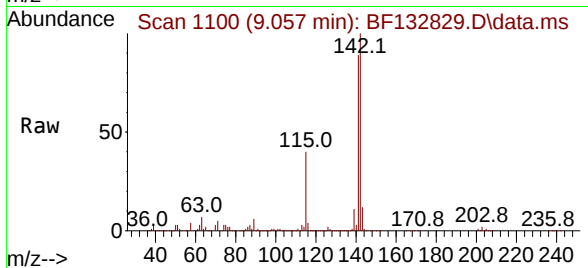
HILLBOR-DRUMS-0314

Tgt Ion:142 Resp: 1154072

Ion Ratio Lower Upper

142 100

141 89.0 73.3 109.9



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.004 min Scan# 1261

Delta R.T. 0.000 min

Lab File: BF132829.D

Acq: 17 Mar 2023 18:27

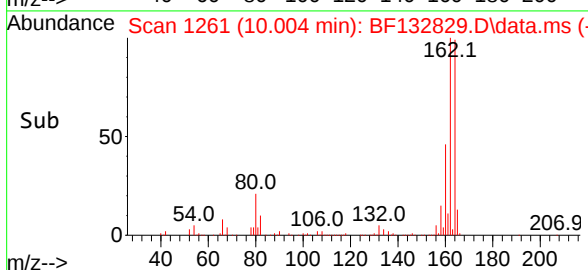
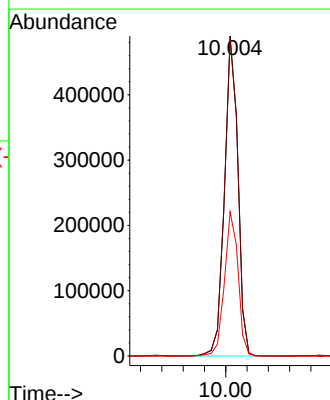
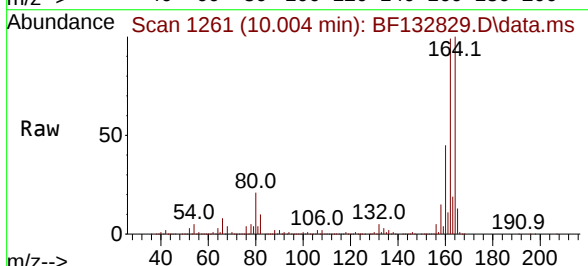
Tgt Ion:164 Resp: 425630

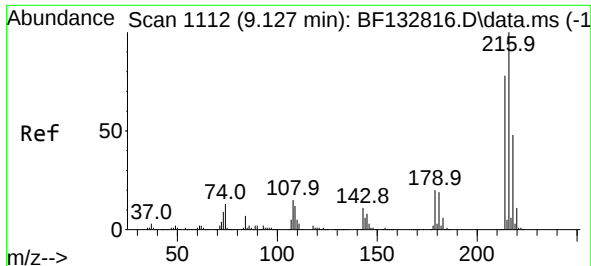
Ion Ratio Lower Upper

164 100

162 99.1 80.6 121.0

160 45.1 36.2 54.4

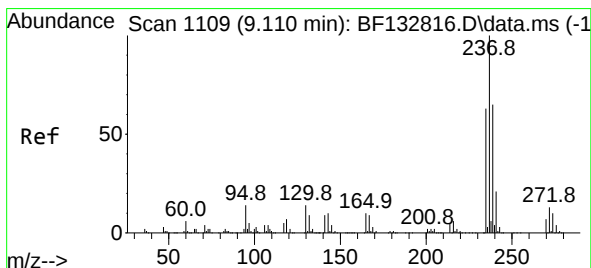
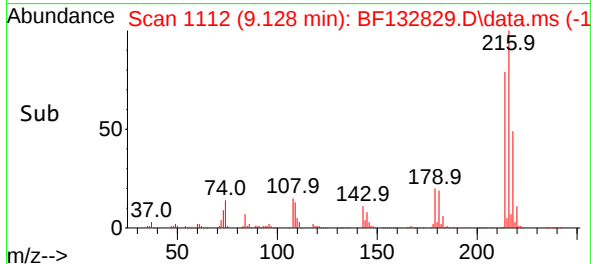
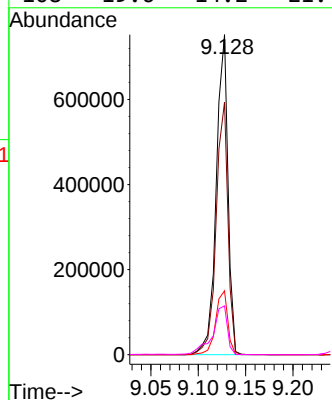
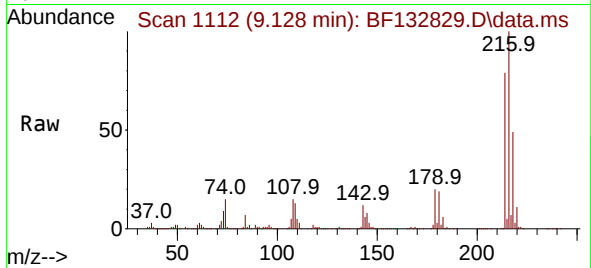




#40
1,2,4,5-Tetrachlorobenzene
Concen: 46.166 ng
RT: 9.128 min Scan# 1112
Delta R.T. 0.000 min
Lab File: BF132829.D
Acq: 17 Mar 2023 18:27

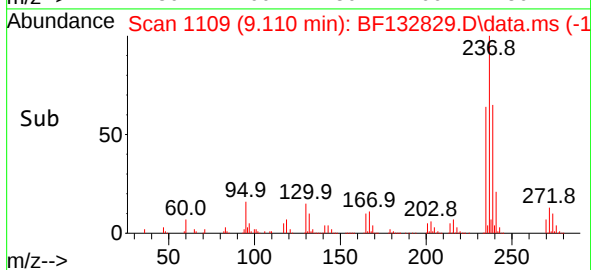
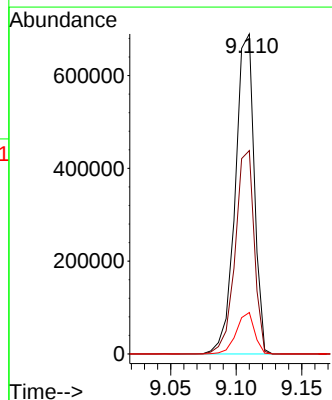
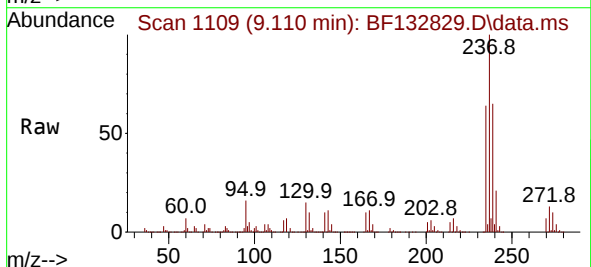
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314

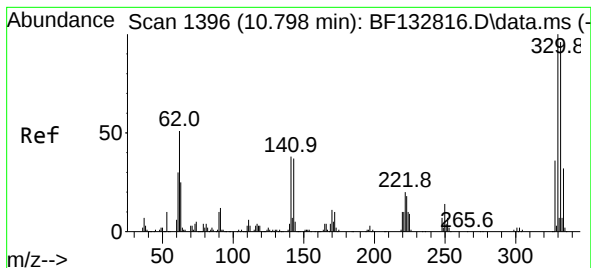
Tgt Ion:216 Resp: 644602
Ion Ratio Lower Upper
216 100
214 79.7 64.3 96.5
179 20.6 16.2 24.4
108 19.6 14.2 21.4



#41
Hexachlorocyclopentadiene
Concen: 102.000 ng
RT: 9.110 min Scan# 1109
Delta R.T. -0.000 min
Lab File: BF132829.D
Acq: 17 Mar 2023 18:27

Tgt Ion:237 Resp: 696191
Ion Ratio Lower Upper
237 100
235 63.6 43.3 83.3
272 12.9 0.0 32.9





#42

2,4,6-Tribromophenol

Concen: 127.312 ng

RT: 10.804 min Scan# 1139

Delta R.T. 0.006 min

Lab File: BF132829.D

Acq: 17 Mar 2023 18:27

Instrument :

BNA_F

ClientSampleId :

HILLBOR-DRUMS-0314

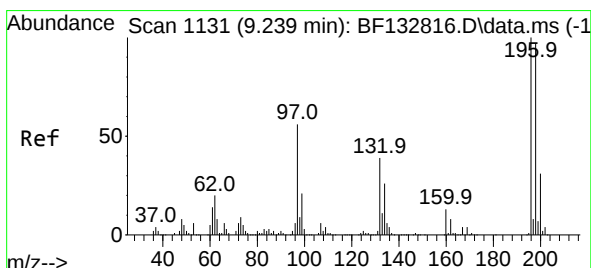
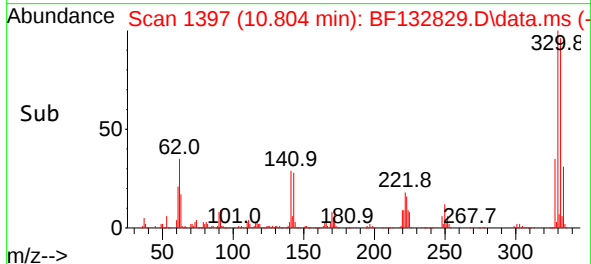
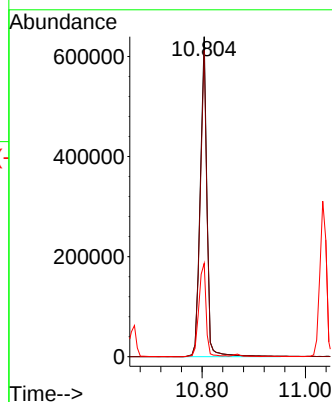
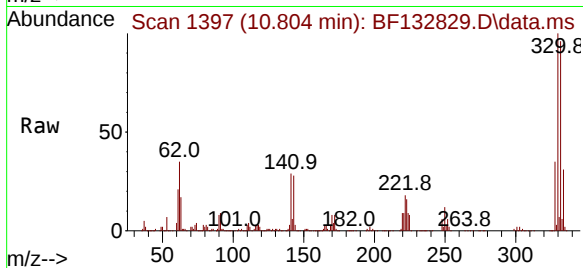
Tgt Ion:330 Resp: 576036

Ion Ratio Lower Upper

330 100

332 95.5 77.0 115.6

141 31.6 26.7 40.1



#43

2,4,6-Trichlorophenol

Concen: 46.559 ng

RT: 9.245 min Scan# 1132

Delta R.T. 0.006 min

Lab File: BF132829.D

Acq: 17 Mar 2023 18:27

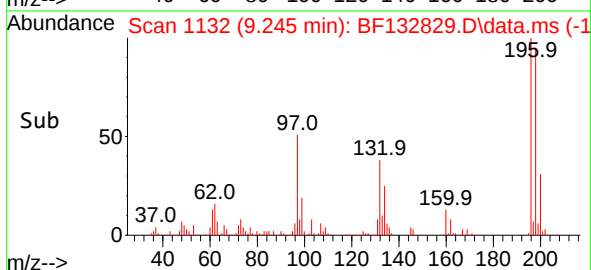
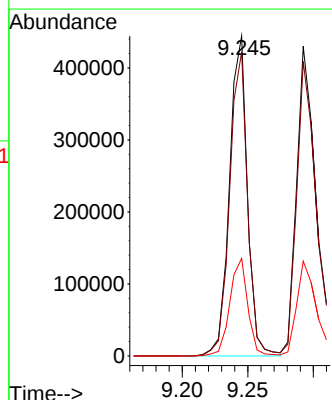
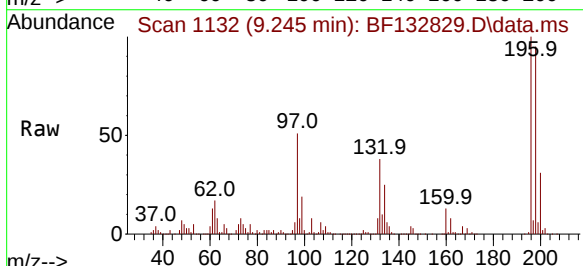
Tgt Ion:196 Resp: 423286

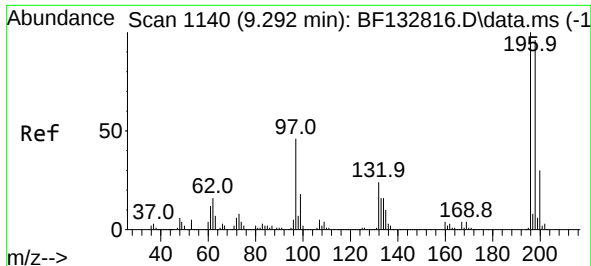
Ion Ratio Lower Upper

196 100

198 95.1 77.3 115.9

200 30.5 25.0 37.6



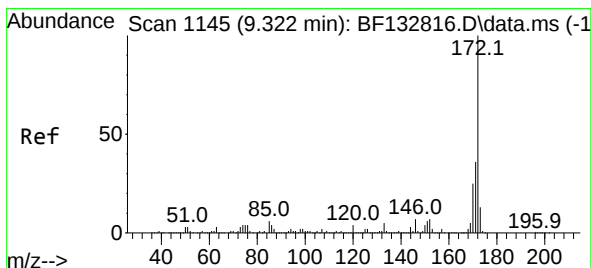
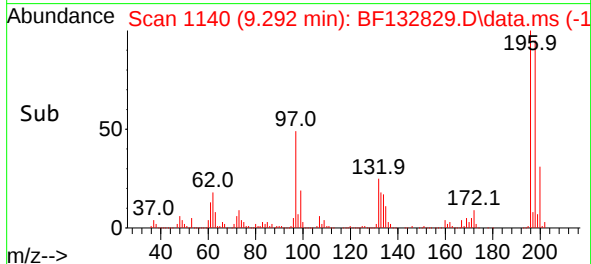
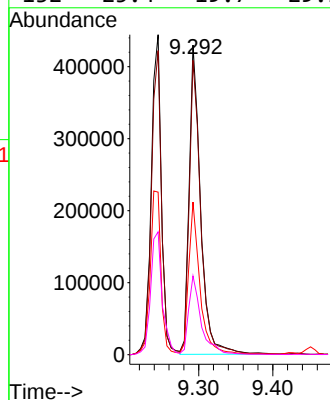
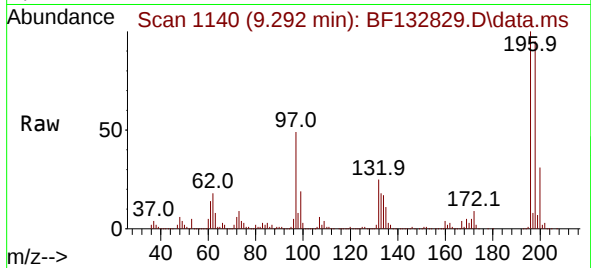


#44
2,4,5-Trichlorophenol
Concen: 43.705 ng
RT: 9.292 min Scan# 1140
Delta R.T. 0.000 min
Lab File: BF132829.D
Acq: 17 Mar 2023 18:27

Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314

Tgt Ion:196 Resp: 462609

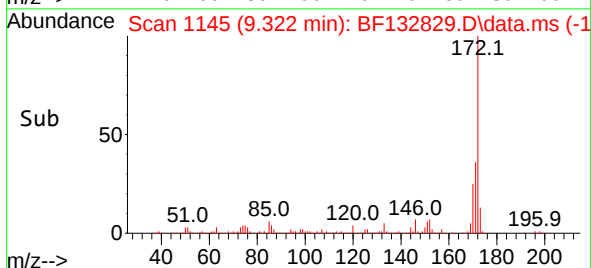
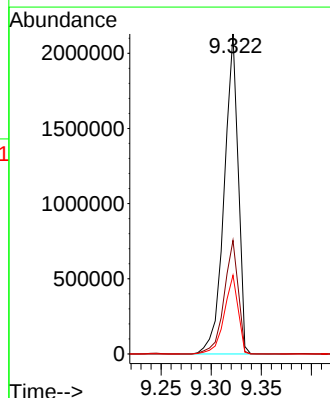
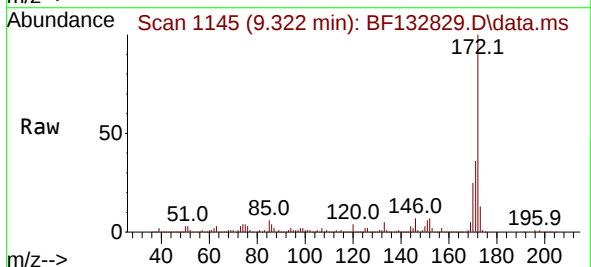
Ion	Ratio	Lower	Upper
196	100		
198	95.1	76.8	115.2
97	49.3	36.9	55.3
132	25.4	19.7	29.5

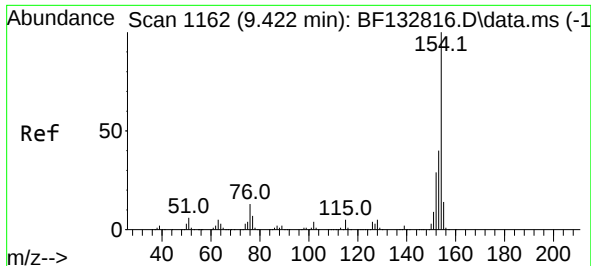


#45
2-Fluorobiphenyl
Concen: 79.631 ng
RT: 9.322 min Scan# 1145
Delta R.T. 0.000 min
Lab File: BF132829.D
Acq: 17 Mar 2023 18:27

Tgt Ion:172 Resp: 2063284

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.7	43.1
170	24.6	19.8	29.8

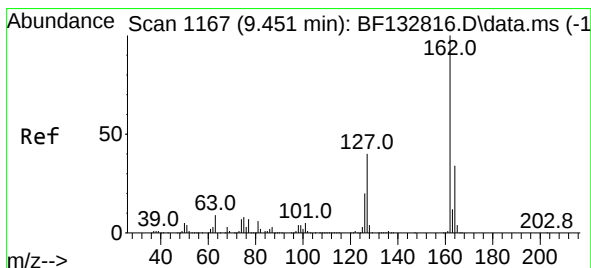
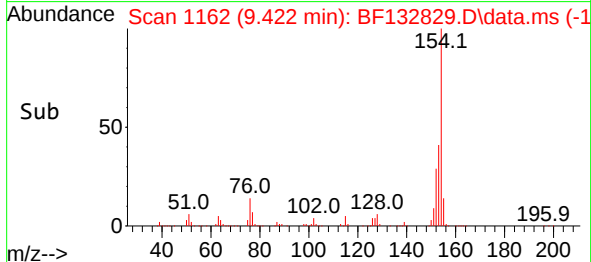
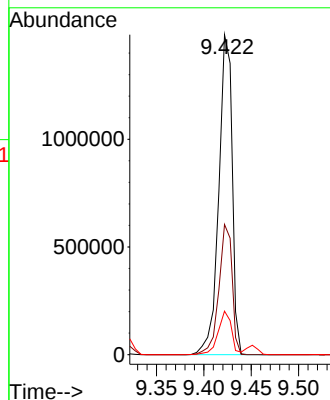
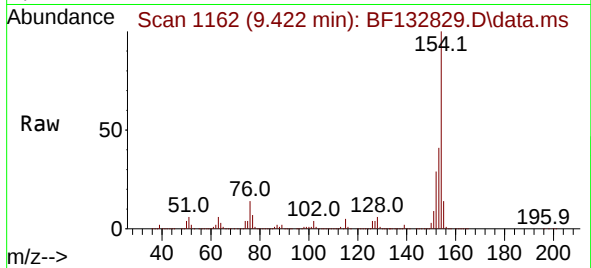




#46
1,1'-Biphenyl
Concen: 46.296 ng
RT: 9.422 min Scan# 1162
Delta R.T. 0.000 min
Lab File: BF132829.D
Acq: 17 Mar 2023 18:27

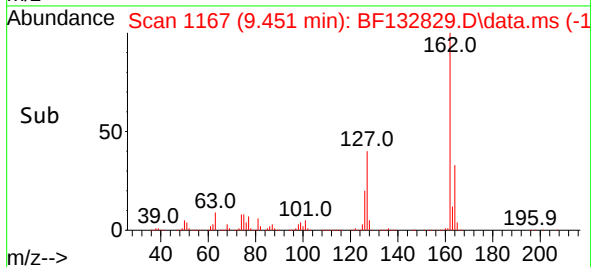
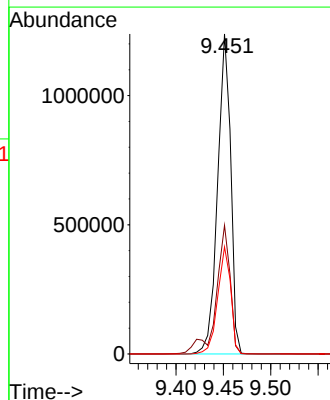
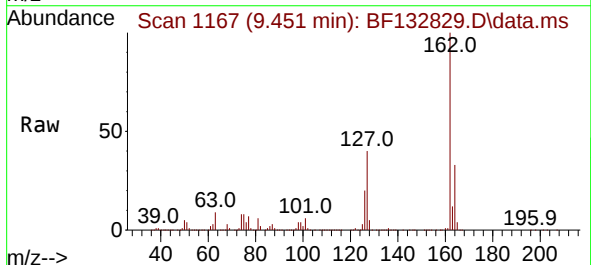
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314

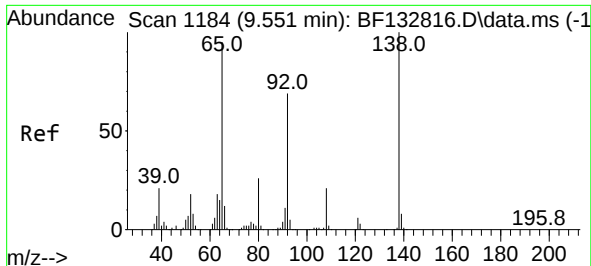
Tgt Ion:154 Resp: 1461868
Ion Ratio Lower Upper
154 100
153 40.7 19.6 59.6
76 13.6 0.0 33.5



#47
2-Chloronaphthalene
Concen: 47.638 ng
RT: 9.451 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF132829.D
Acq: 17 Mar 2023 18:27

Tgt Ion:162 Resp: 1191071
Ion Ratio Lower Upper
162 100
127 40.2 32.3 48.5
164 33.4 27.2 40.8

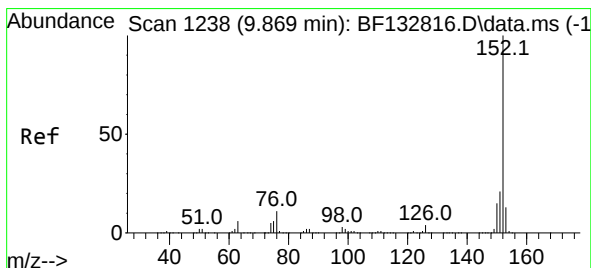
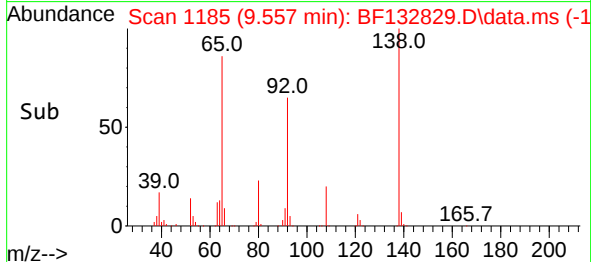
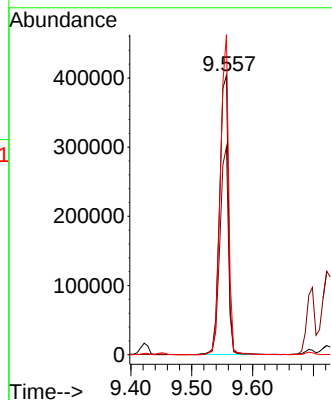
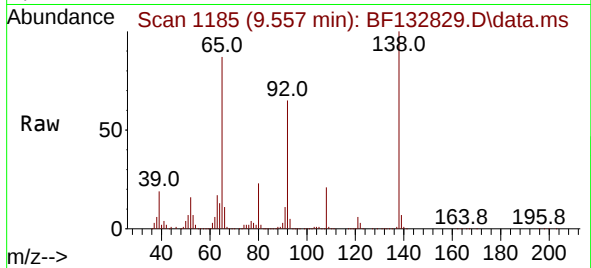




#48
2-Nitroaniline
Concen: 48.954 ng
RT: 9.557 min Scan# 1185
Delta R.T. 0.006 min
Lab File: BF132829.D
Acq: 17 Mar 2023 18:27

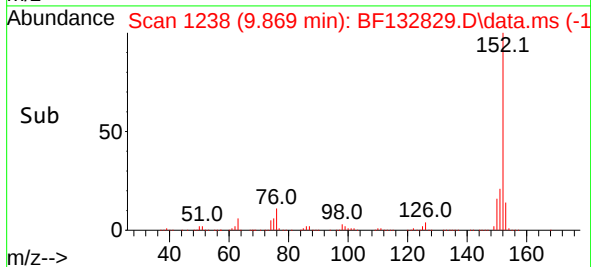
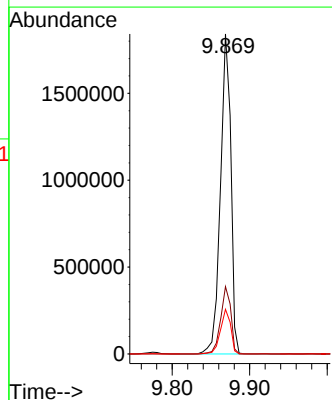
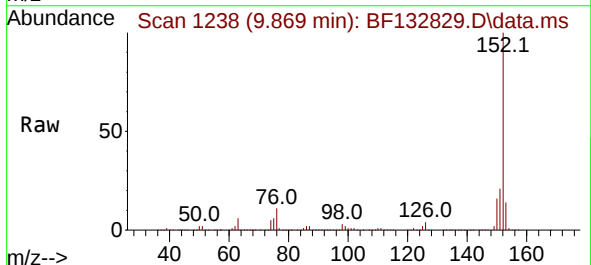
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314

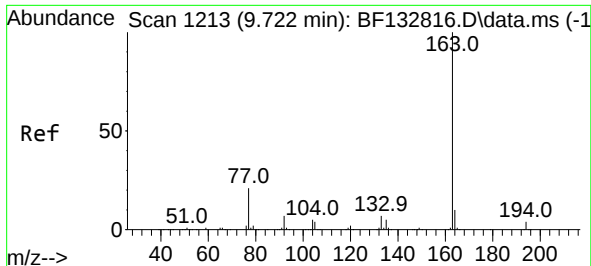
Tgt Ion: 65 Resp: 401967
Ion Ratio Lower Upper
65 100
92 74.4 58.6 88.0
138 114.6 84.4 126.6



#49
Acenaphthylene
Concen: 44.664 ng
RT: 9.869 min Scan# 1238
Delta R.T. -0.000 min
Lab File: BF132829.D
Acq: 17 Mar 2023 18:27

Tgt Ion: 152 Resp: 1716123
Ion Ratio Lower Upper
152 100
151 21.0 16.6 25.0
153 14.0 10.8 16.2

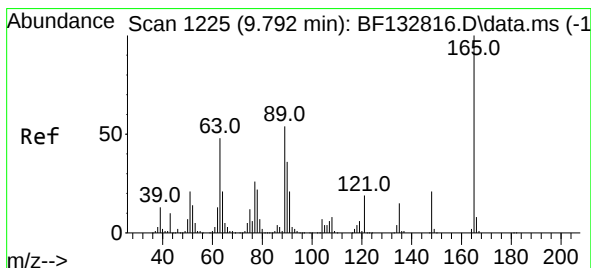
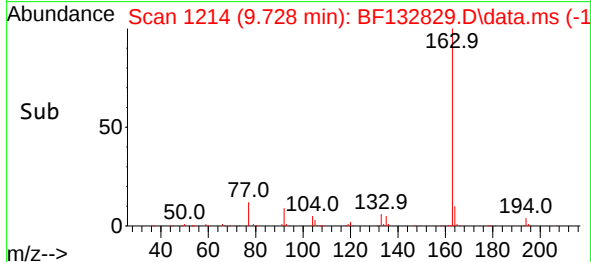
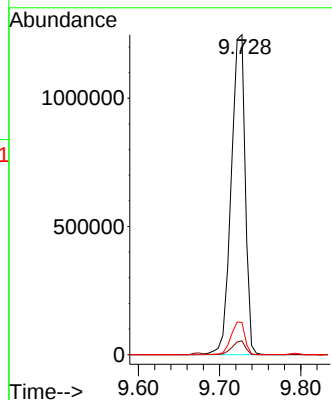
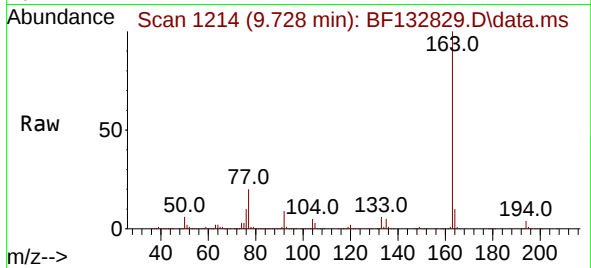




#50
Dimethylphthalate
Concen: 48.867 ng
RT: 9.728 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF132829.D
Acq: 17 Mar 2023 18:27

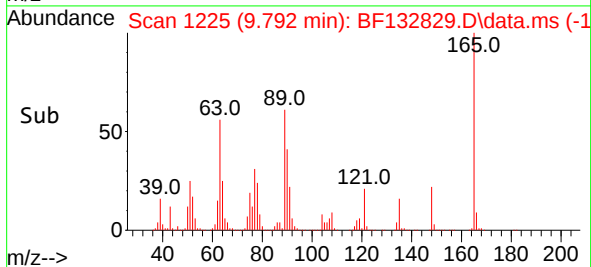
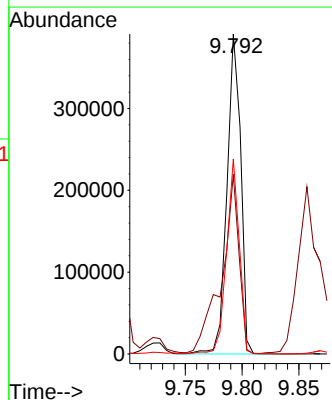
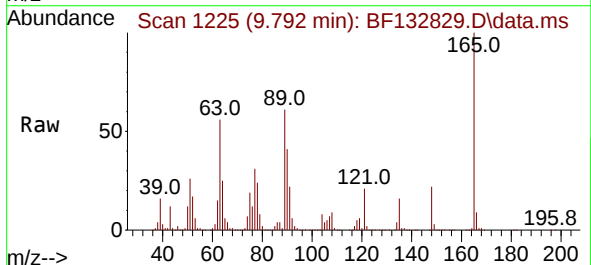
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314

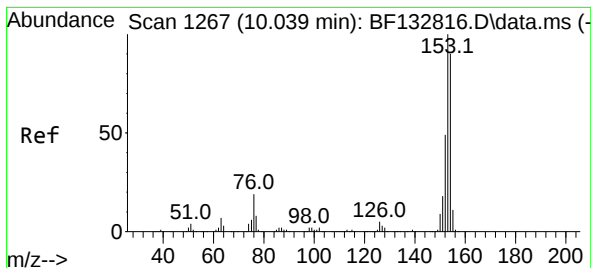
Tgt Ion:163 Resp: 1491244
Ion Ratio Lower Upper
163 100
194 4.3 3.3 4.9
164 10.1 8.3 12.5



#51
2,6-Dinitrotoluene
Concen: 48.754 ng
RT: 9.792 min Scan# 1225
Delta R.T. 0.000 min
Lab File: BF132829.D
Acq: 17 Mar 2023 18:27

Tgt Ion:165 Resp: 328978
Ion Ratio Lower Upper
165 100
63 56.1 39.1 58.7
89 61.0 43.5 65.3





#52

Acenaphthene

Concen: 45.187 ng

RT: 10.039 min Scan# 1267

Delta R.T. 0.000 min

Lab File: BF132829.D

Acq: 17 Mar 2023 18:27

Instrument :

BNA_F

ClientSampleId :

HILLBOR-DRUMS-0314

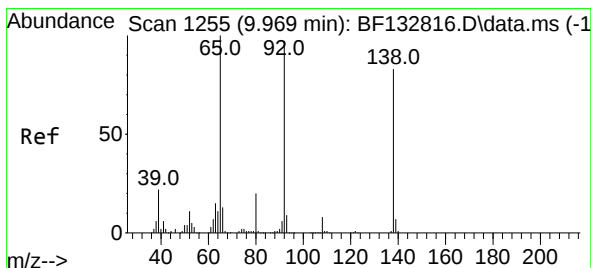
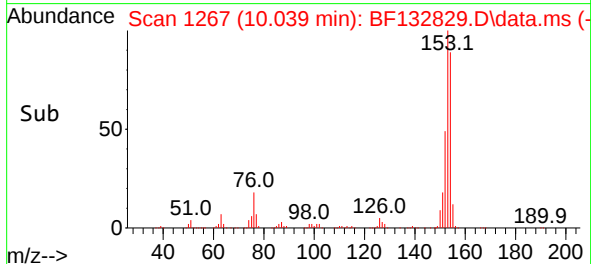
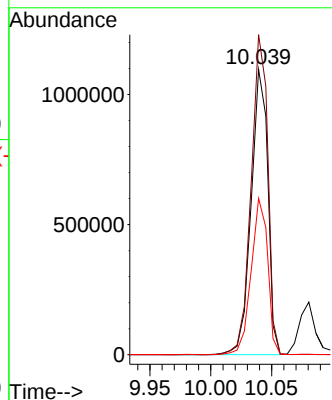
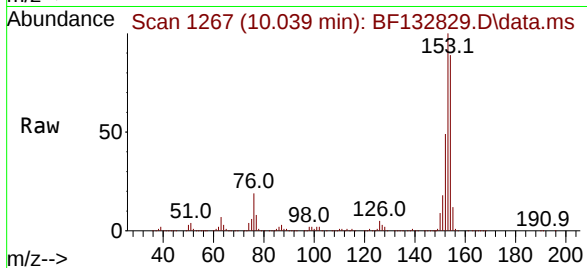
Tgt Ion:154 Resp: 1045095

Ion Ratio Lower Upper

154 100

153 112.1 89.4 134.0

152 54.8 43.4 65.2



#53

3-Nitroaniline

Concen: 26.309 ng

RT: 9.963 min Scan# 1254

Delta R.T. -0.006 min

Lab File: BF132829.D

Acq: 17 Mar 2023 18:27

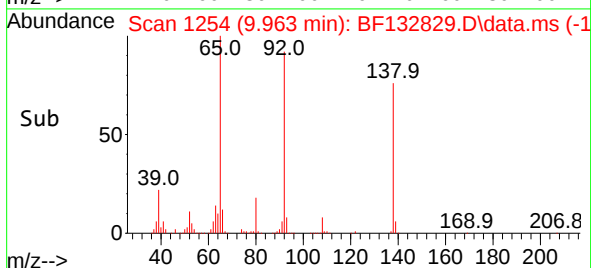
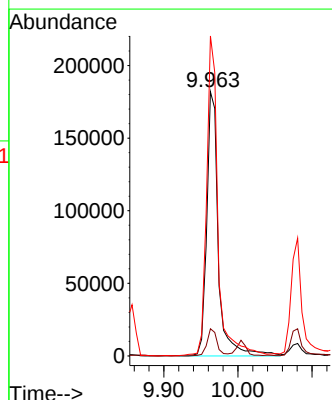
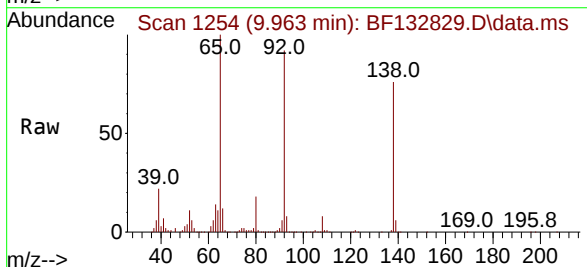
Tgt Ion:138 Resp: 198446

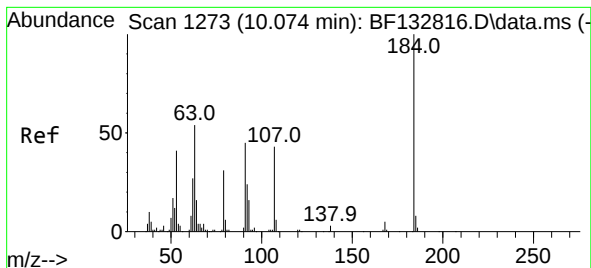
Ion Ratio Lower Upper

138 100

108 10.3 8.2 12.2

92 121.1 93.3 139.9





#54

2,4-Dinitrophenol

Concen: 91.246 ng

RT: 10.080 min Scan# 1274

Delta R.T. 0.006 min

Lab File: BF132829.D

Acq: 17 Mar 2023 18:27

Instrument :

BNA_F

ClientSampleId :

HILLBOR-DRUMS-0314

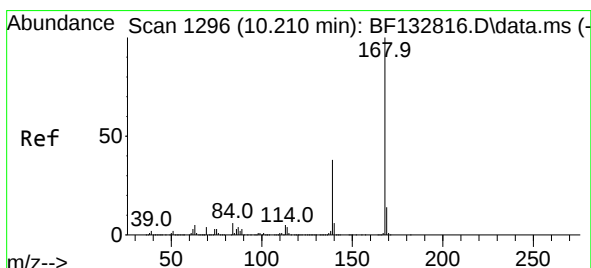
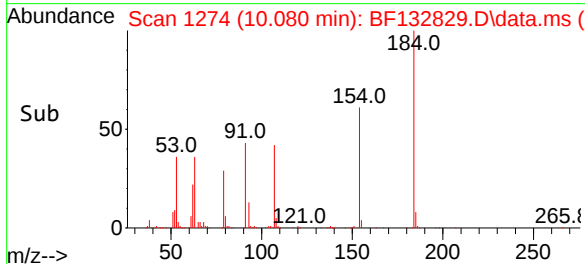
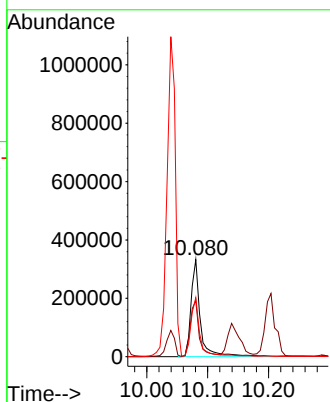
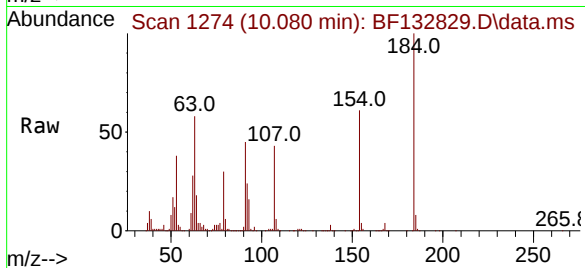
Tgt Ion:184 Resp: 354107

Ion Ratio Lower Upper

184 100

63 57.8 47.2 70.8

154 60.8 46.5 69.7



#55

Dibenzofuran

Concen: 43.820 ng

RT: 10.216 min Scan# 1297

Delta R.T. 0.006 min

Lab File: BF132829.D

Acq: 17 Mar 2023 18:27

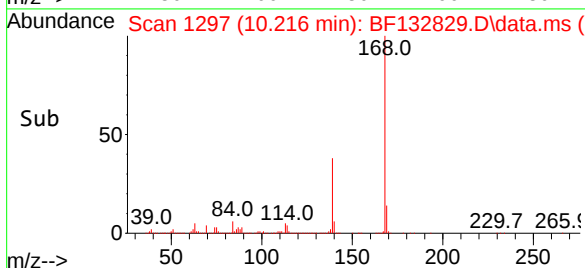
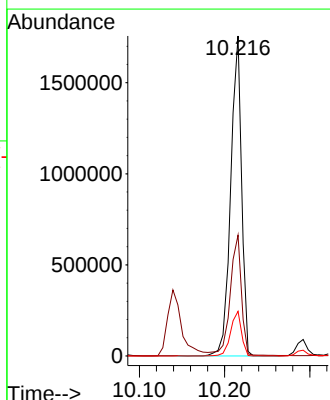
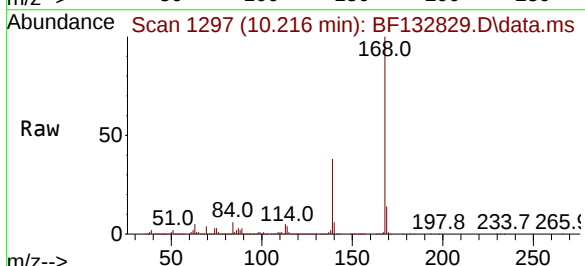
Tgt Ion:168 Resp: 1557927

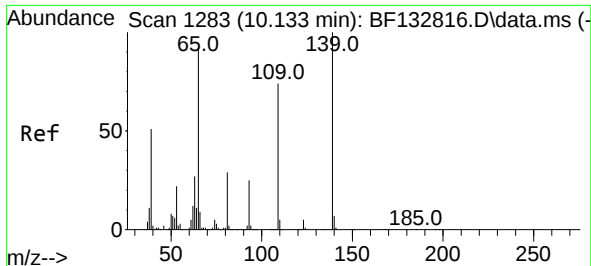
Ion Ratio Lower Upper

168 100

139 37.8 31.0 46.6

169 14.0 11.3 16.9

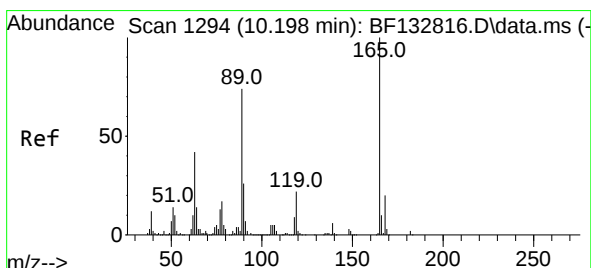
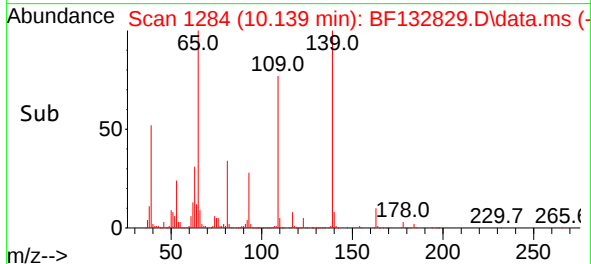
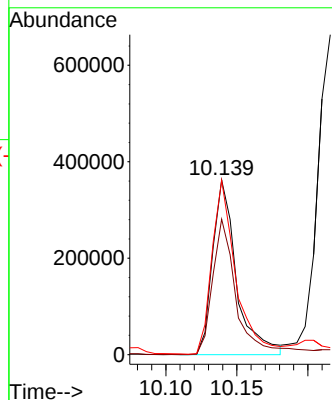
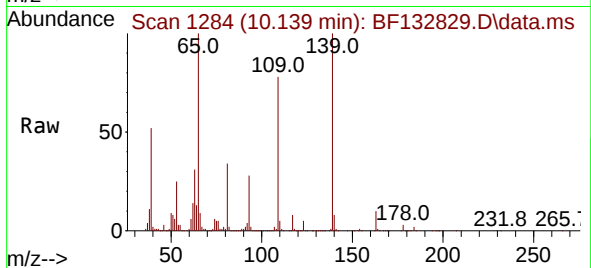




#56
4-Nitrophenol
Concen: 93.912 ng
RT: 10.139 min Scan# 1283
Delta R.T. 0.006 min
Lab File: BF132829.D
Acq: 17 Mar 2023 18:27

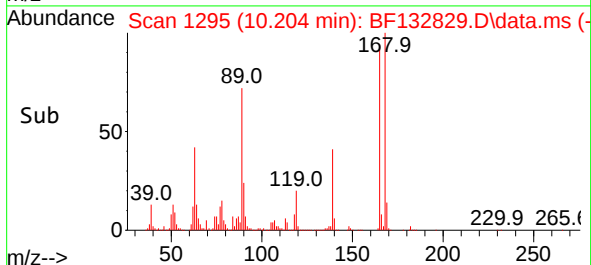
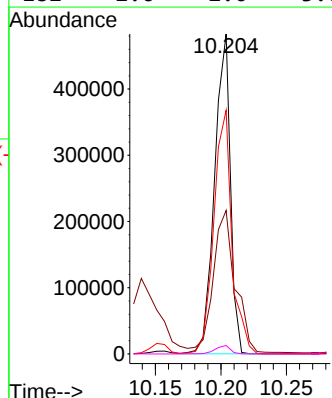
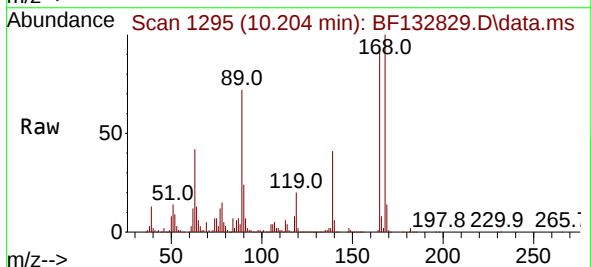
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314

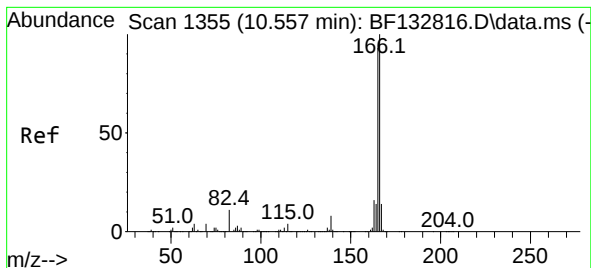
Tgt Ion:139 Resp: 422330
Ion Ratio Lower Upper
139 100
109 77.5 53.8 93.8
65 99.8 73.0 113.0



#57
2,4-Dinitrotoluene
Concen: 46.856 ng
RT: 10.204 min Scan# 1295
Delta R.T. 0.006 min
Lab File: BF132829.D
Acq: 17 Mar 2023 18:27

Tgt Ion:165 Resp: 403875
Ion Ratio Lower Upper
165 100
63 44.8 34.4 51.6
89 76.1 59.5 89.3
182 2.6 2.0 3.0





#58

Fluorene

Concen: 44.295 ng

RT: 10.557 min Scan# 1355

Delta R.T. 0.000 min

Lab File: BF132829.D

Acq: 17 Mar 2023 18:27

Instrument :

BNA_F

ClientSampleId :

HILLBOR-DRUMS-0314

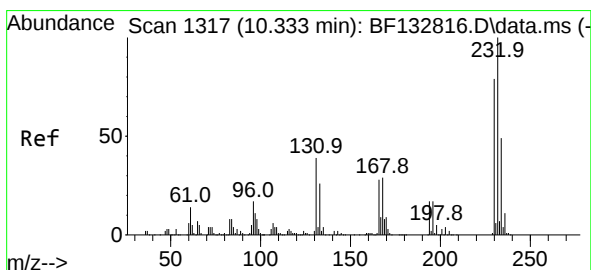
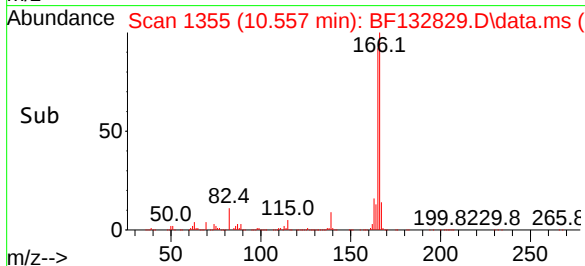
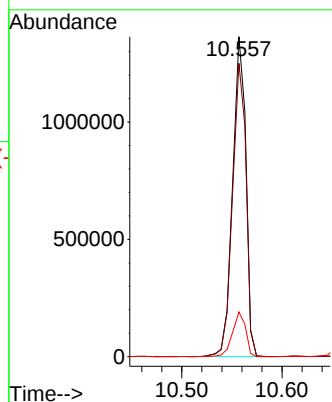
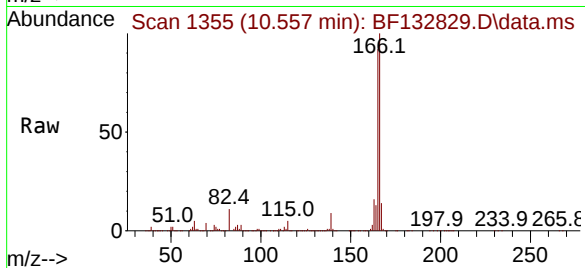
Tgt Ion:166 Resp: 1252286

Ion Ratio Lower Upper

166 100

165 91.7 74.3 111.5

167 13.9 11.0 16.4



#59

2,3,4,6-Tetrachlorophenol

Concen: 51.349 ng

RT: 10.333 min Scan# 1317

Delta R.T. 0.000 min

Lab File: BF132829.D

Acq: 17 Mar 2023 18:27

Tgt Ion:232 Resp: 393907

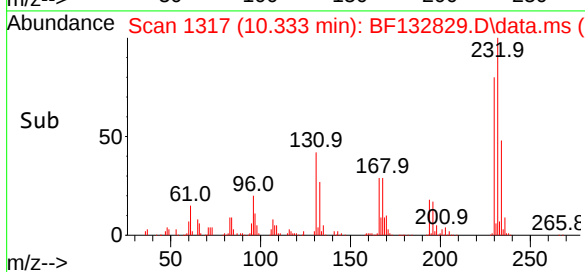
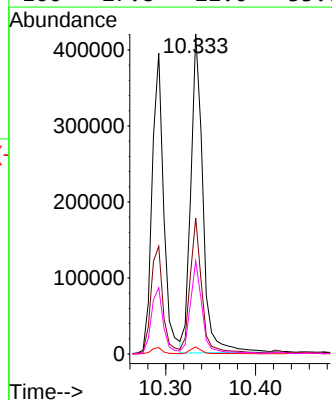
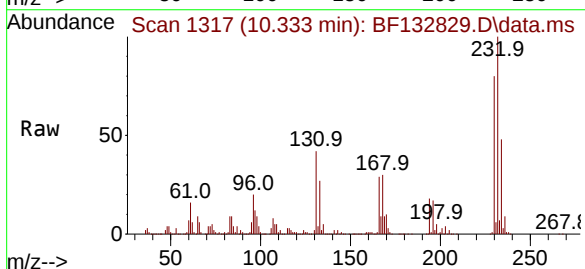
Ion Ratio Lower Upper

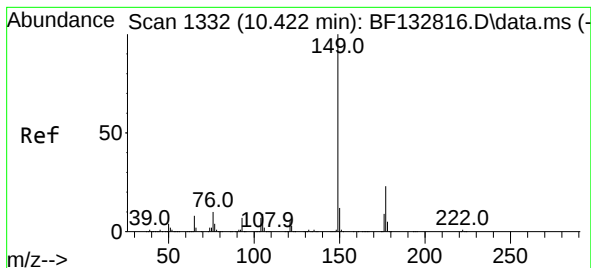
232 100

131 40.0 32.6 48.8

130 1.8 1.7 2.5

166 27.8 22.0 33.0





#60

Diethylphthalate

Concen: 46.805 ng

RT: 10.422 min Scan# 1332

Delta R.T. 0.000 min

Lab File: BF132829.D

Acq: 17 Mar 2023 18:27

Instrument :

BNA_F

ClientSampleId :

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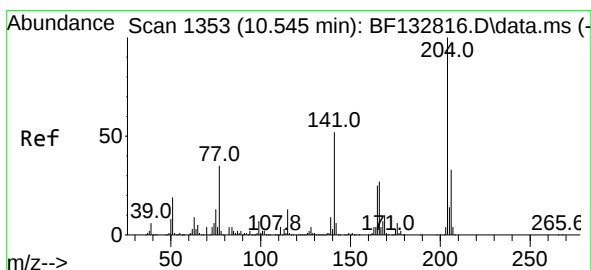
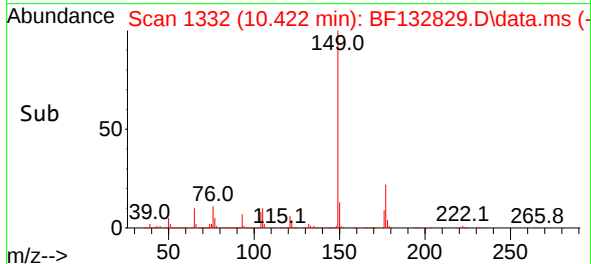
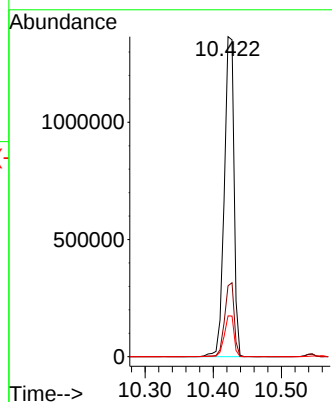
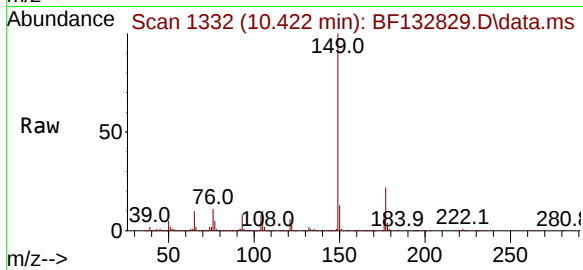
Tgt Ion:149 Resp: 1353564

Ion Ratio Lower Upper

149 100

177 22.2 18.6 28.0

150 12.8 10.0 15.0



#61

4-Chlorophenyl-phenylether

Concen: 44.953 ng

RT: 10.545 min Scan# 1353

Delta R.T. 0.000 min

Lab File: BF132829.D

Acq: 17 Mar 2023 18:27

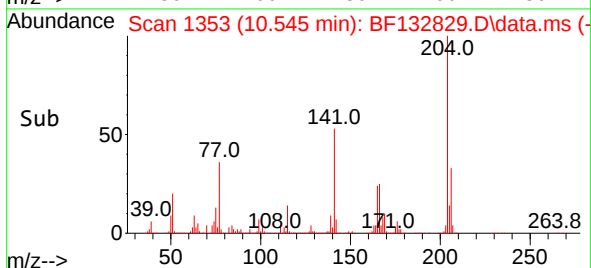
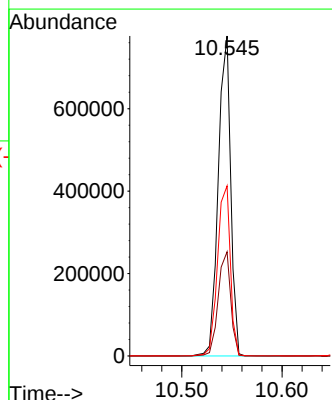
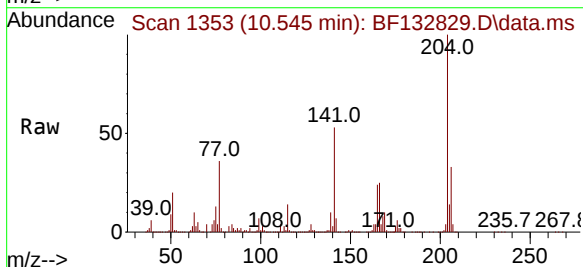
Tgt Ion:204 Resp: 667121

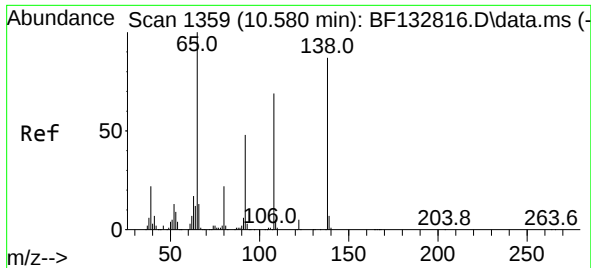
Ion Ratio Lower Upper

204 100

206 32.6 26.6 40.0

141 53.1 41.9 62.9

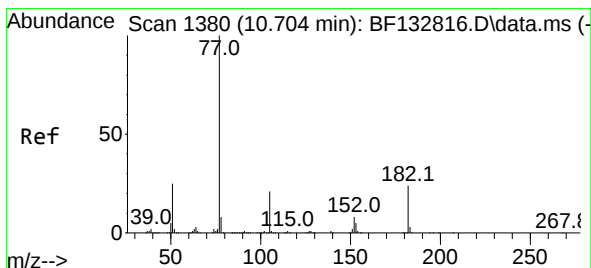
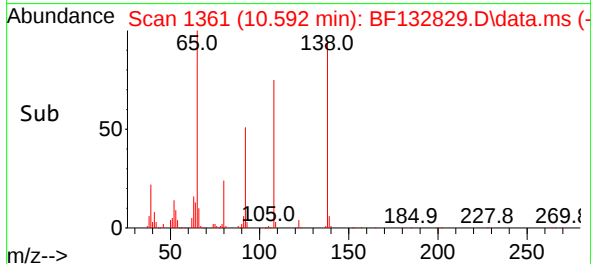
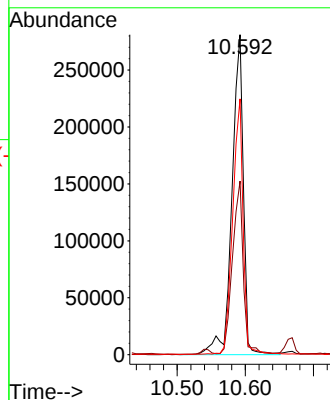
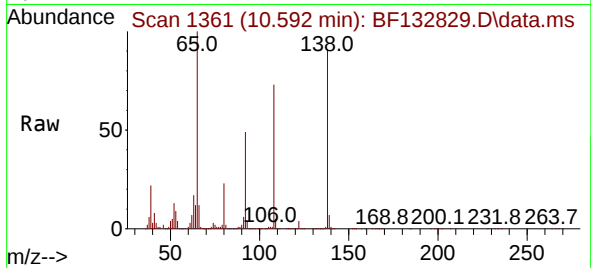




#62
4-Nitroaniline
Concen: 49.747 ng
RT: 10.592 min Scan# 1361
Delta R.T. 0.012 min
Lab File: BF132829.D
Acq: 17 Mar 2023 18:27

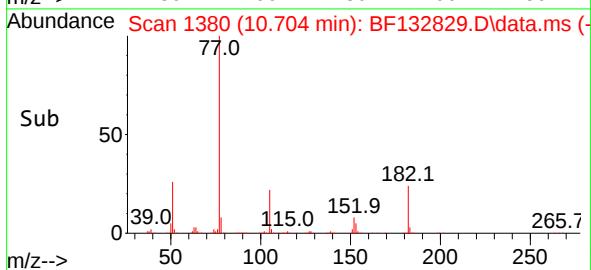
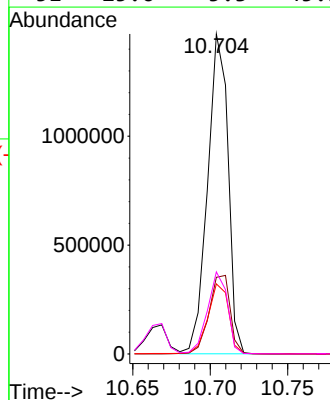
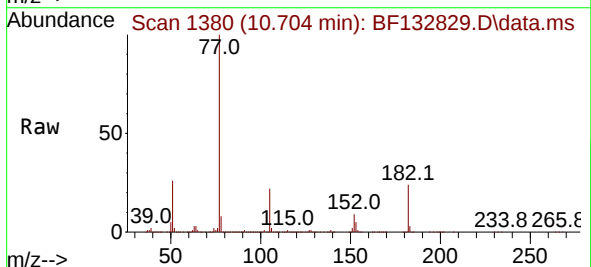
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314

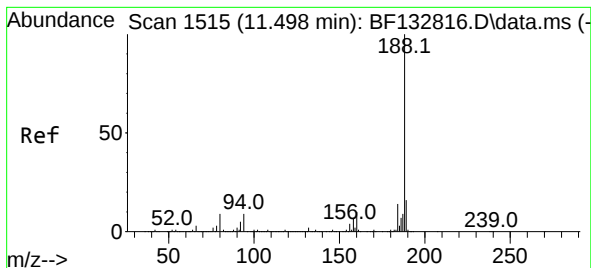
Tgt Ion:138 Resp: 328111
Ion Ratio Lower Upper
138 100
92 54.2 34.9 74.9
108 80.0 58.8 98.8



#63
Azobenzene
Concen: 45.629 ng
RT: 10.704 min Scan# 1380
Delta R.T. 0.000 min
Lab File: BF132829.D
Acq: 17 Mar 2023 18:27

Tgt Ion: 77 Resp: 1349087
Ion Ratio Lower Upper
77 100
182 24.0 3.8 43.8
105 21.9 1.2 41.2
51 25.6 5.3 45.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.498 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF132829.D

Acq: 17 Mar 2023 18:27

Instrument :

BNA_F

ClientSampleId :

HILLBOR-DRUMS-0314

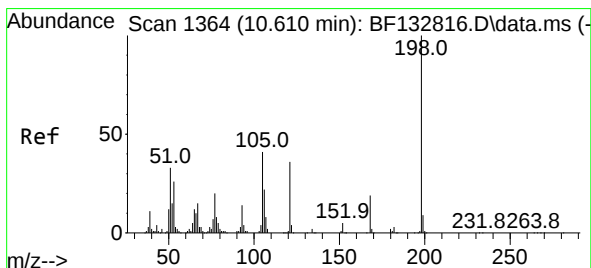
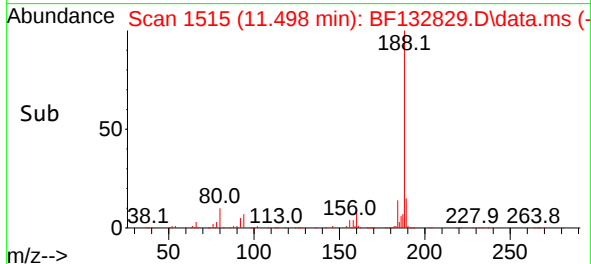
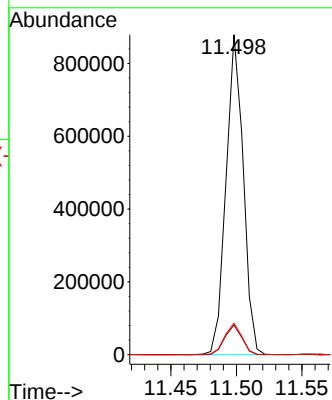
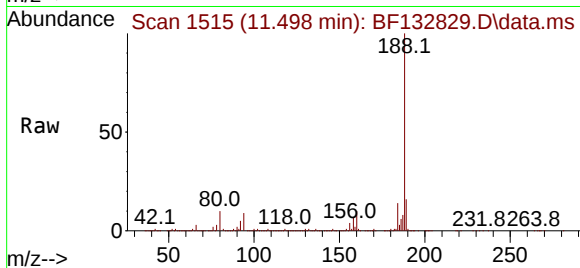
Tgt Ion:188 Resp: 801537

Ion Ratio Lower Upper

188 100

94 9.3 7.5 11.3

80 9.8 7.5 11.3



#65

4,6-Dinitro-2-methylphenol

Concen: 47.574 ng

RT: 10.616 min Scan# 1365

Delta R.T. 0.006 min

Lab File: BF132829.D

Acq: 17 Mar 2023 18:27

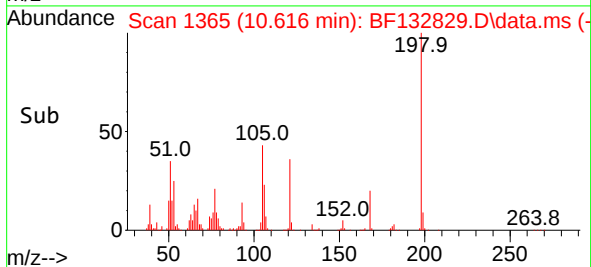
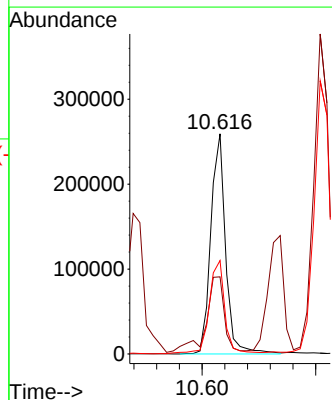
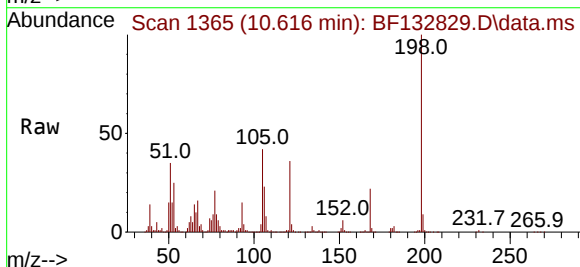
Tgt Ion:198 Resp: 233711

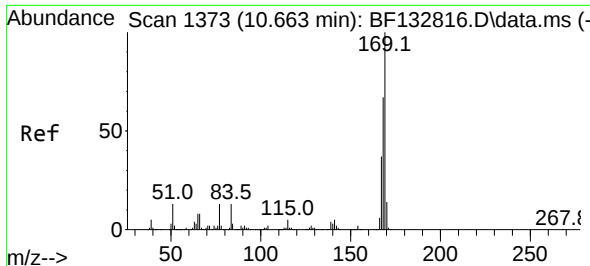
Ion Ratio Lower Upper

198 100

51 35.0 15.6 55.6

105 42.4 21.5 61.5

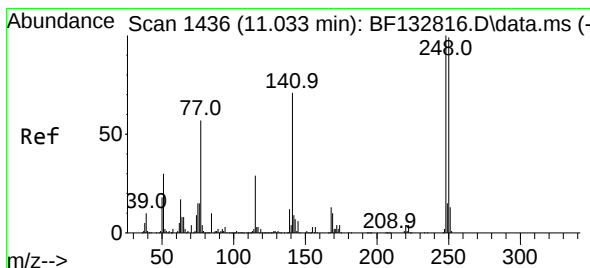
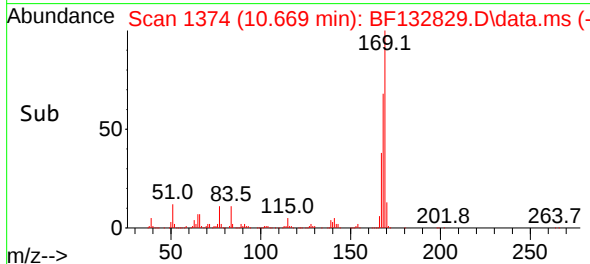
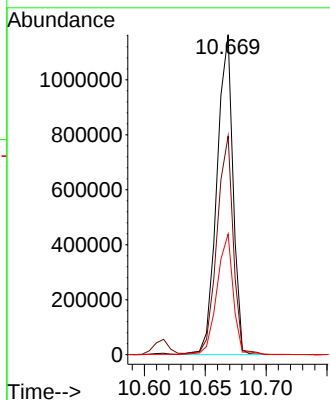
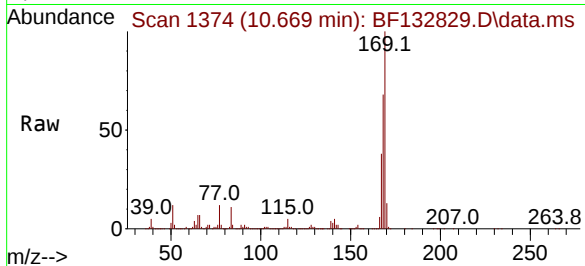




#66
n-Nitrosodiphenylamine
Concen: 43.301 ng
RT: 10.669 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF132829.D
Acq: 17 Mar 2023 18:27

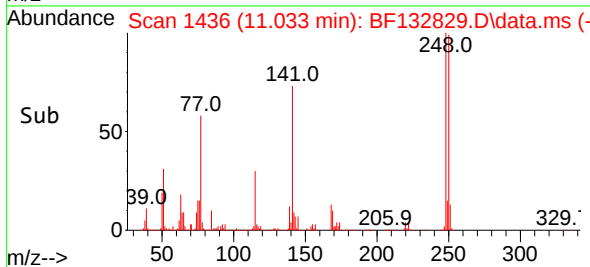
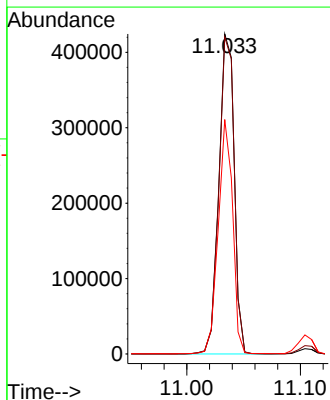
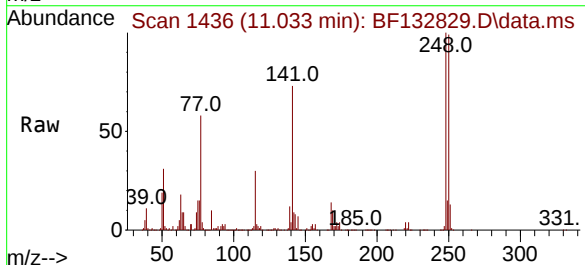
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314

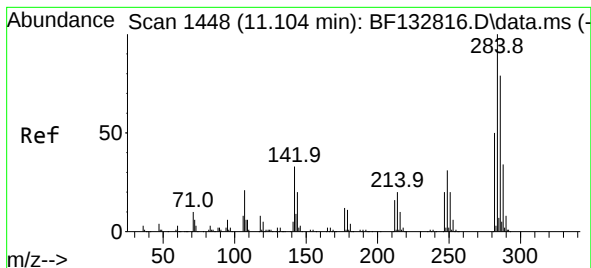
Tgt Ion:169 Resp: 1072641
Ion Ratio Lower Upper
169 100
168 68.3 54.2 81.2
167 37.7 29.6 44.4



#67
4-Bromophenyl-phenylether
Concen: 43.079 ng
RT: 11.033 min Scan# 1436
Delta R.T. 0.000 min
Lab File: BF132829.D
Acq: 17 Mar 2023 18:27

Tgt Ion:248 Resp: 399203
Ion Ratio Lower Upper
248 100
250 99.0 79.1 118.7
141 73.3 57.1 85.7





#68

Hexachlorobenzene

Concen: 47.164 ng

RT: 11.110 min Scan# 1449

Delta R.T. 0.006 min

Lab File: BF132829.D

Acq: 17 Mar 2023 18:27

Instrument :

BNA_F

ClientSampleId :

HILLBOR-DRUMS-0314

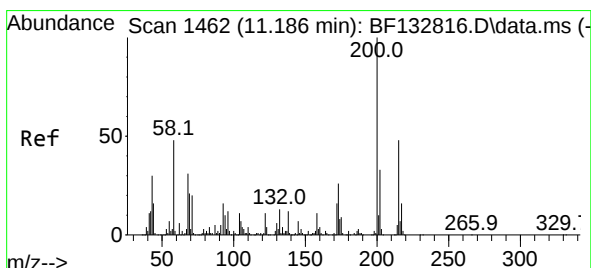
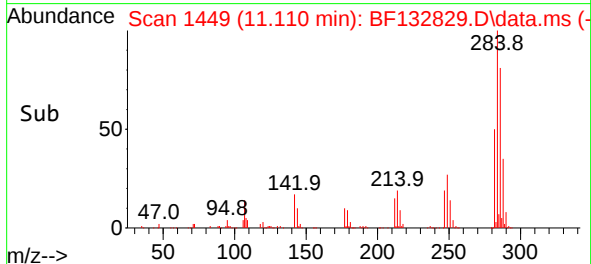
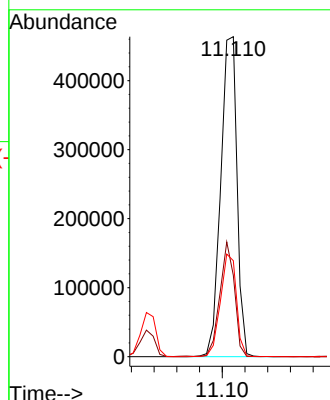
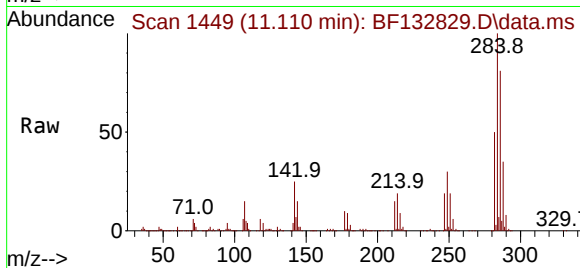
Tgt Ion:284 Resp: 462847

Ion Ratio Lower Upper

284 100

142 25.5 26.2 39.2#

249 30.0 24.9 37.3



#69

Atrazine

Concen: 52.770 ng

RT: 11.192 min Scan# 1463

Delta R.T. 0.006 min

Lab File: BF132829.D

Acq: 17 Mar 2023 18:27

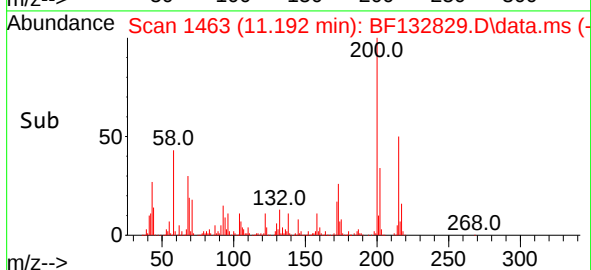
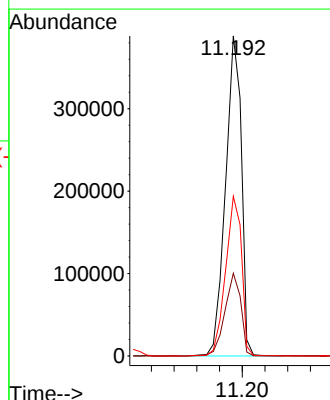
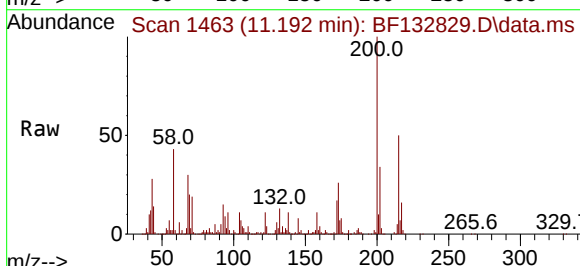
Tgt Ion:200 Resp: 376444

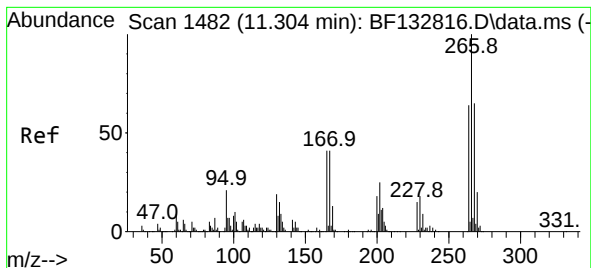
Ion Ratio Lower Upper

200 100

173 25.9 6.5 46.5

215 49.9 28.0 68.0





#70

Pentachlorophenol

Concen: 104.653 ng

RT: 11.310 min Scan# 1482

Delta R.T. 0.006 min

Lab File: BF132829.D

Acq: 17 Mar 2023 18:27

Instrument :

BNA_F

ClientSampleId :

HILLBOR-DRUMS-0314

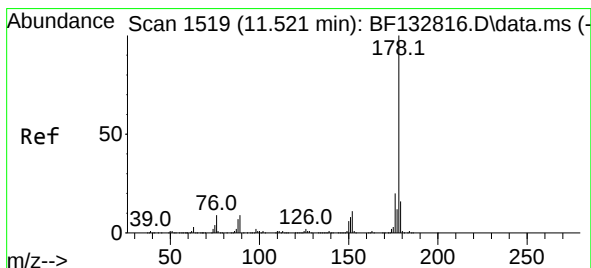
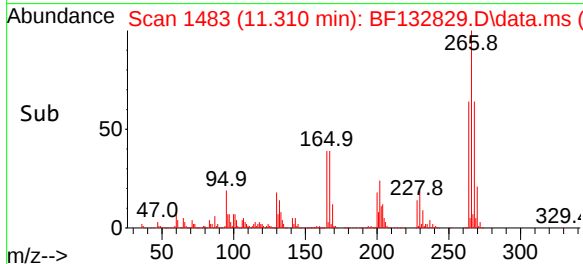
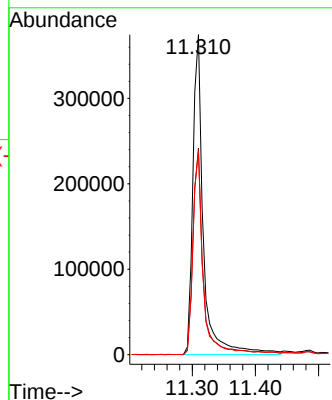
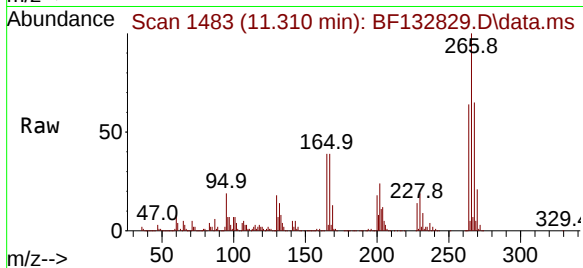
Tgt Ion:266 Resp: 435747

Ion Ratio Lower Upper

266 100

268 64.5 51.6 77.4

264 63.6 51.0 76.4



#71

Phenanthrene

Concen: 44.670 ng

RT: 11.527 min Scan# 1520

Delta R.T. 0.006 min

Lab File: BF132829.D

Acq: 17 Mar 2023 18:27

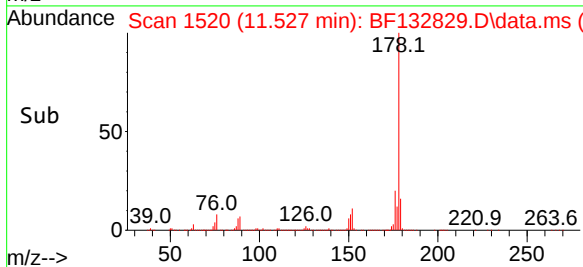
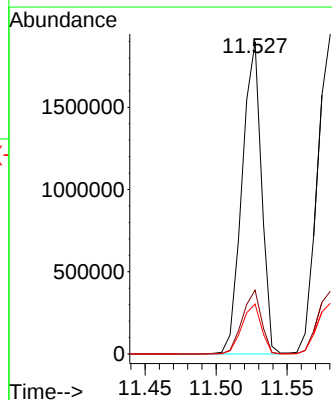
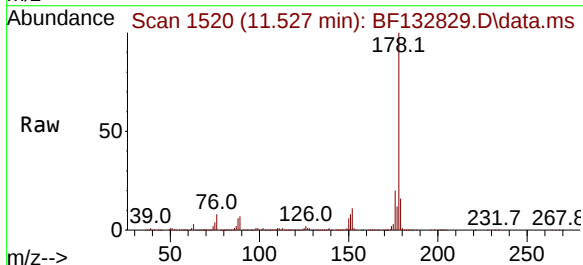
Tgt Ion:178 Resp: 1802229

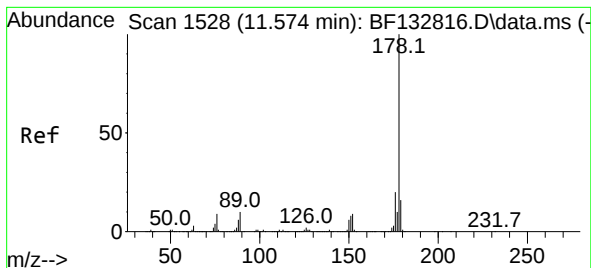
Ion Ratio Lower Upper

178 100

176 20.5 16.3 24.5

179 16.0 13.1 19.7





#72

Anthracene

Concen: 43.556 ng

RT: 11.580 min Scan# 1529

Delta R.T. 0.006 min

Lab File: BF132829.D

Acq: 17 Mar 2023 18:27

Instrument :

BNA_F

ClientSampleId :

HILLBOR-DRUMS-0314

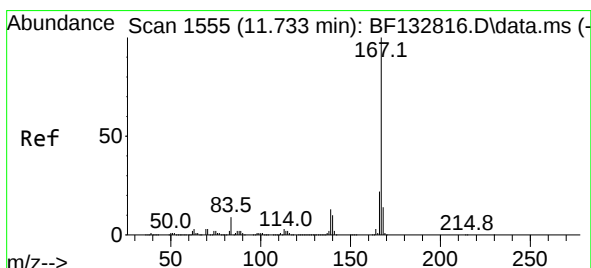
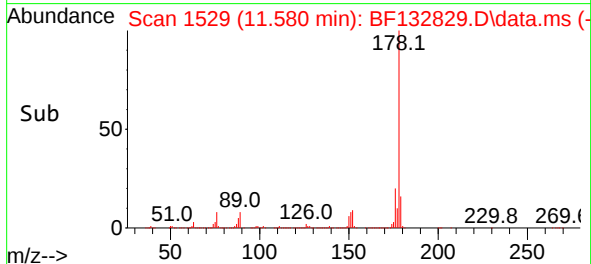
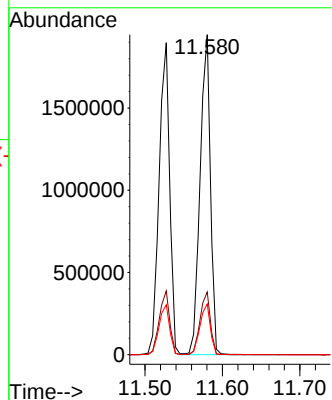
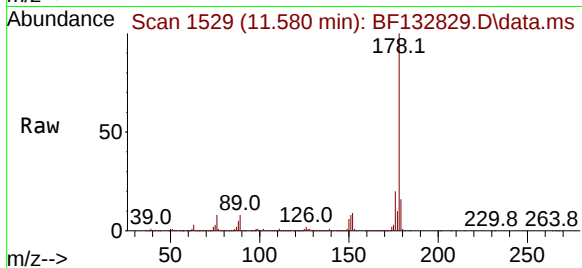
Tgt Ion:178 Resp: 1800138

Ion Ratio Lower Upper

178 100

176 19.6 15.7 23.5

179 15.9 12.8 19.2



#73

Carbazole

Concen: 44.251 ng

RT: 11.733 min Scan# 1555

Delta R.T. 0.000 min

Lab File: BF132829.D

Acq: 17 Mar 2023 18:27

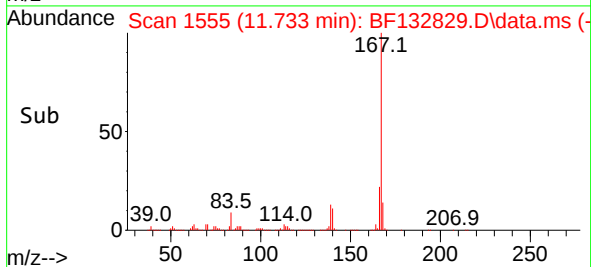
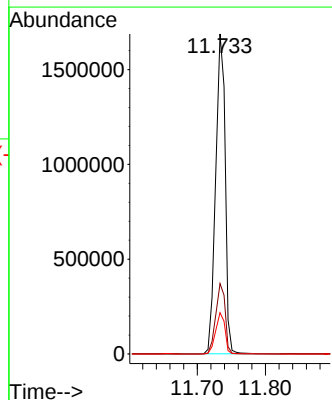
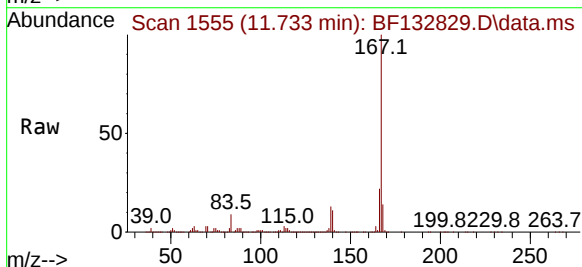
Tgt Ion:167 Resp: 1642058

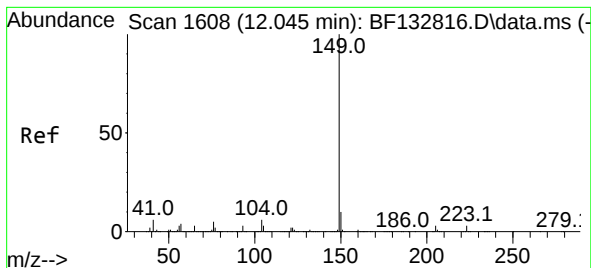
Ion Ratio Lower Upper

167 100

166 22.0 17.6 26.4

139 12.9 10.2 15.2

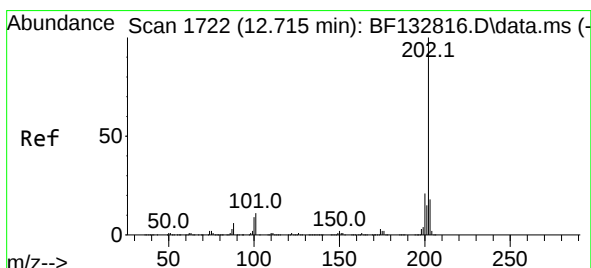
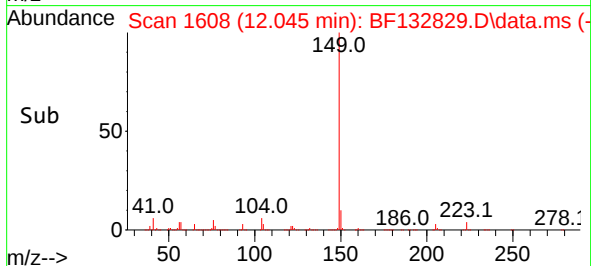
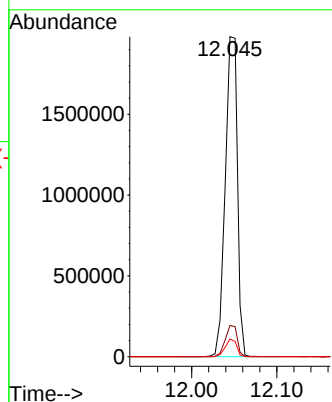
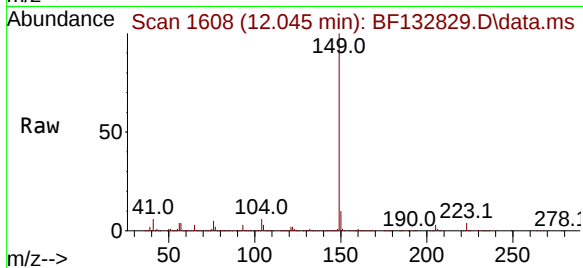




#74
Di-n-butylphthalate
Concen: 44.448 ng
RT: 12.045 min Scan# 1608
Delta R.T. 0.000 min
Lab File: BF132829.D
Acq: 17 Mar 2023 18:27

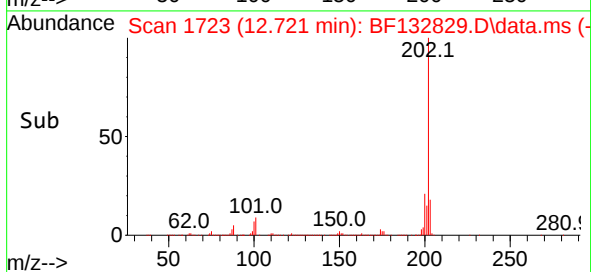
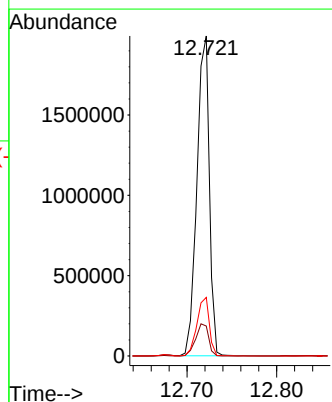
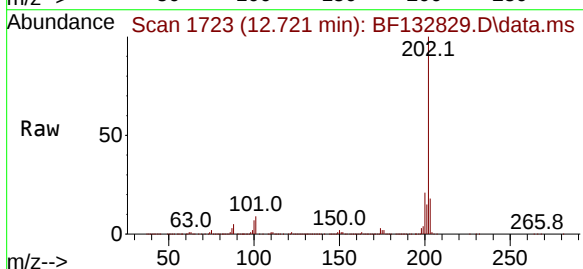
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314

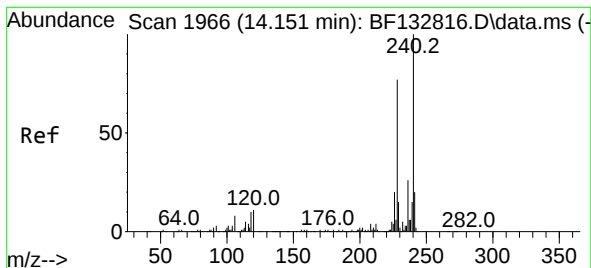
Tgt Ion:149 Resp: 1964997
Ion Ratio Lower Upper
149 100
150 9.7 7.8 11.8
104 5.5 4.4 6.6



#75
Fluoranthene
Concen: 43.591 ng
RT: 12.721 min Scan# 1723
Delta R.T. 0.006 min
Lab File: BF132829.D
Acq: 17 Mar 2023 18:27

Tgt Ion:202 Resp: 1913904
Ion Ratio Lower Upper
202 100
101 9.3 0.0 31.3
203 18.3 0.0 38.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.157 min Scan# 1966

Delta R.T. 0.006 min

Lab File: BF132829.D

Acq: 17 Mar 2023 18:27

Instrument :

BNA_F

ClientSampleId :

HILLBOR-DRUMS-0314

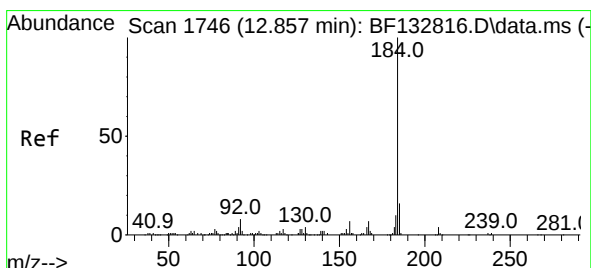
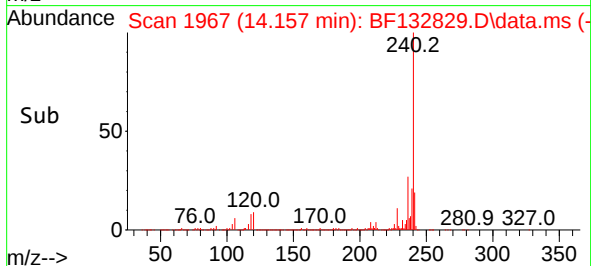
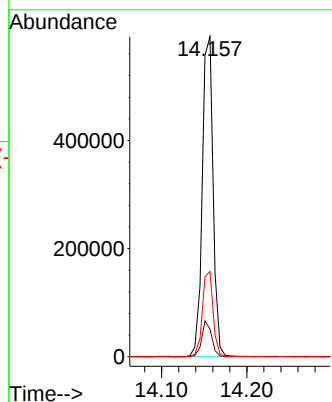
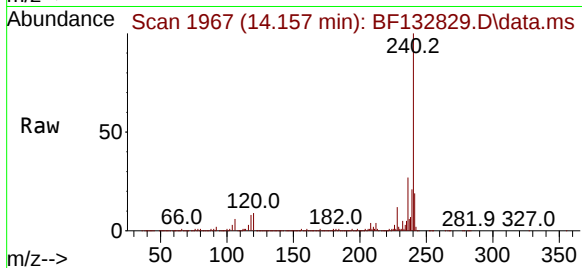
Tgt Ion:240 Resp: 522976

Ion Ratio Lower Upper

240 100

120 8.7 9.1 13.7#

236 26.6 21.2 31.8



#77

Benzidine

Concen: 110.725 ng

RT: 12.839 min Scan# 1743

Delta R.T. -0.018 min

Lab File: BF132829.D

Acq: 17 Mar 2023 18:27

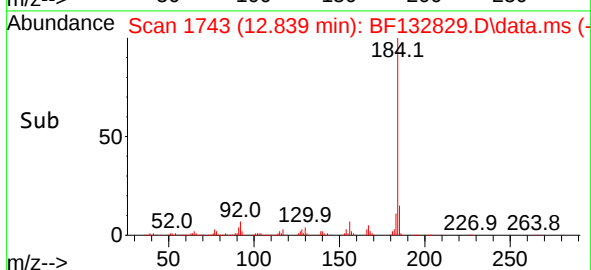
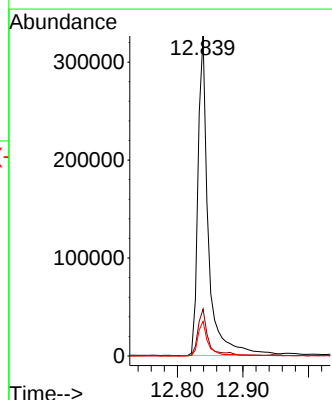
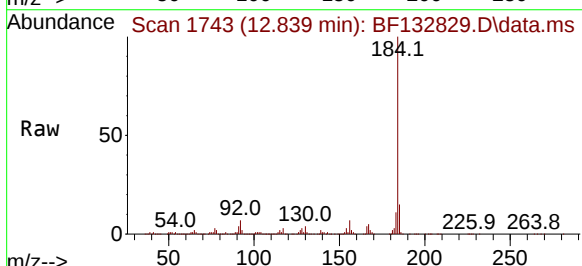
Tgt Ion:184 Resp: 360624

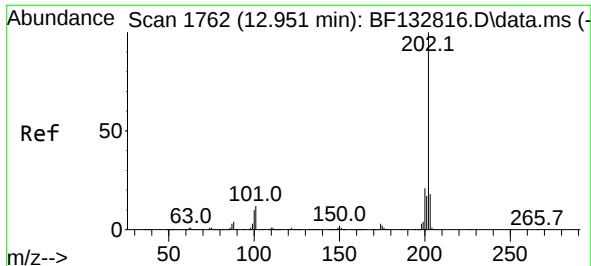
Ion Ratio Lower Upper

184 100

185 14.7 12.6 19.0

183 10.8 8.2 12.4

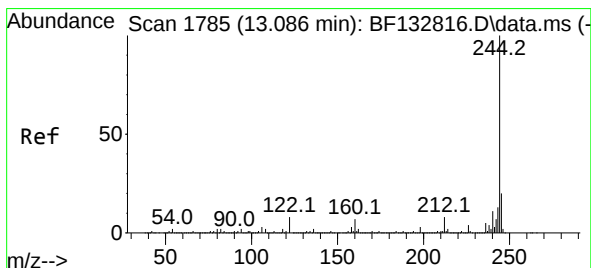
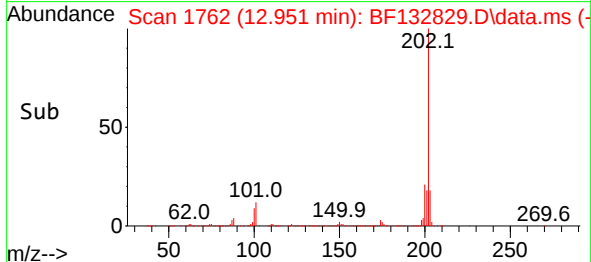
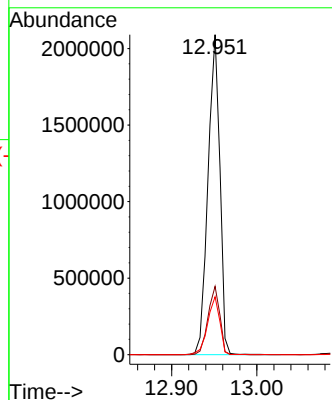
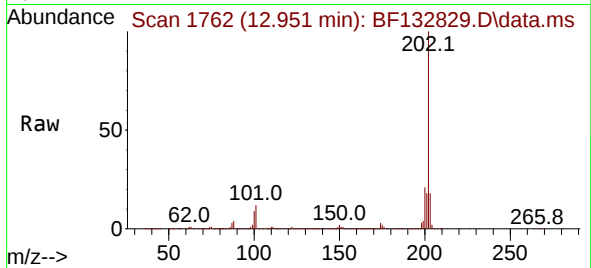




#78
Pyrene
Concen: 46.350 ng
RT: 12.951 min Scan# 1762
Delta R.T. 0.000 min
Lab File: BF132829.D
Acq: 17 Mar 2023 18:27

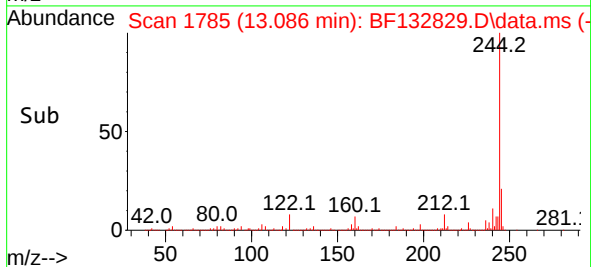
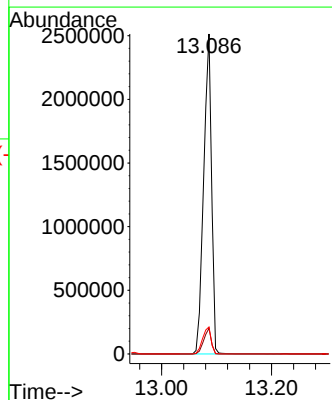
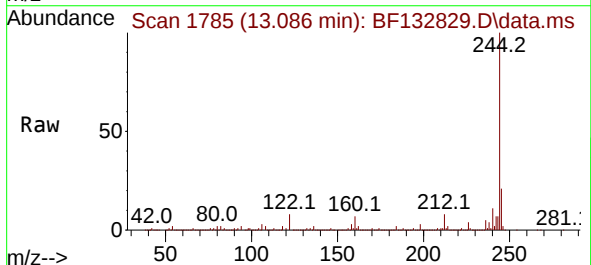
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314

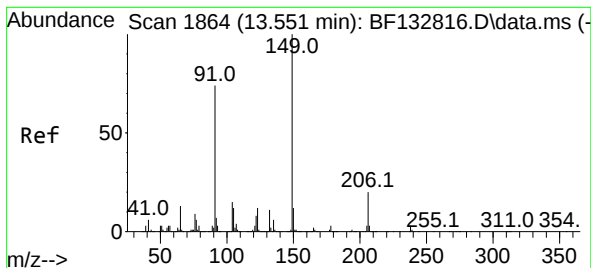
Tgt Ion:202 Resp: 2014614
Ion Ratio Lower Upper
202 100
200 21.4 16.9 25.3
203 18.1 14.6 21.8



#79
Terphenyl-d14
Concen: 86.593 ng
RT: 13.086 min Scan# 1785
Delta R.T. 0.000 min
Lab File: BF132829.D
Acq: 17 Mar 2023 18:27

Tgt Ion:244 Resp: 2507950
Ion Ratio Lower Upper
244 100
212 8.0 6.3 9.5
122 8.4 6.6 9.8





#80

Butylbenzylphthalate

Concen: 47.407 ng

RT: 13.551 min Scan# 1864

Delta R.T. 0.000 min

Lab File: BF132829.D

Acq: 17 Mar 2023 18:27

Instrument :

BNA_F

ClientSampleId :

HILLBOR-DRUMS-0314

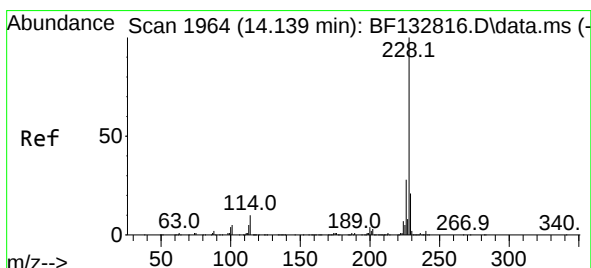
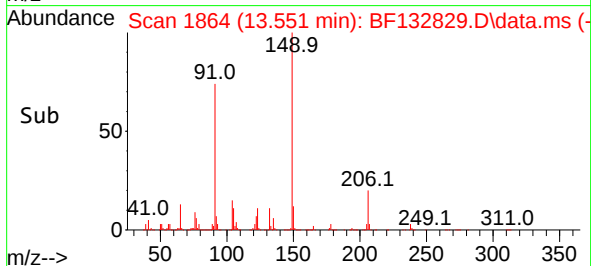
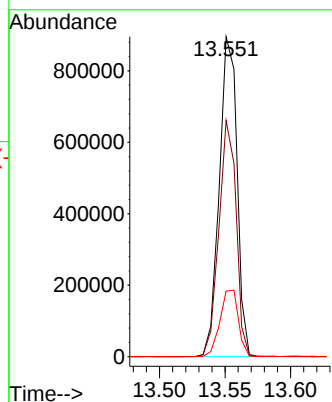
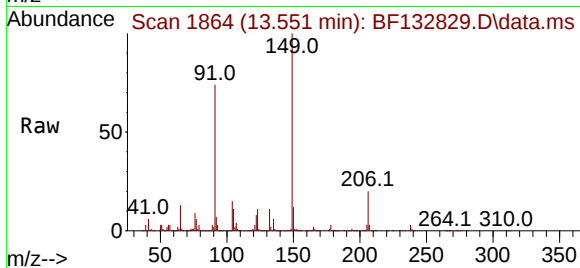
Tgt Ion:149 Resp: 842966

Ion Ratio Lower Upper

149 100

91 73.8 59.5 89.3

206 20.5 16.2 24.4



#81

Benzo(a)anthracene

Concen: 45.474 ng

RT: 14.145 min Scan# 1965

Delta R.T. 0.006 min

Lab File: BF132829.D

Acq: 17 Mar 2023 18:27

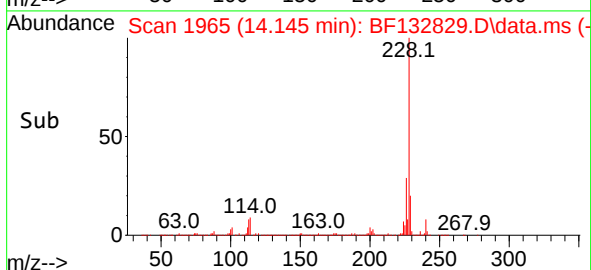
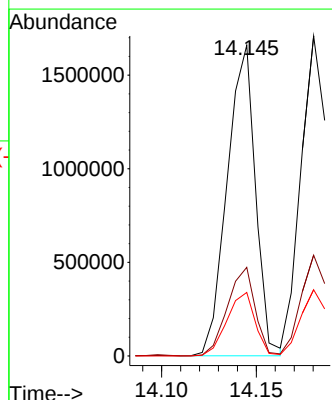
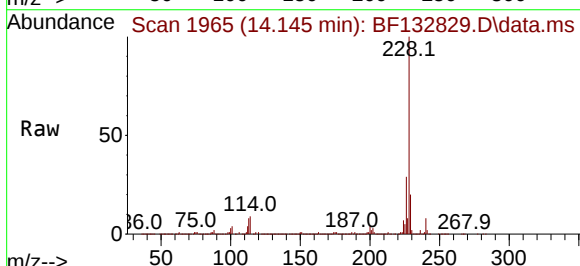
Tgt Ion:228 Resp: 1721393

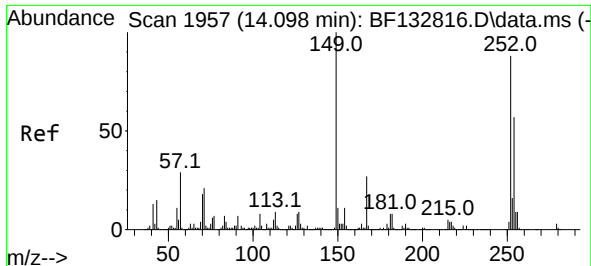
Ion Ratio Lower Upper

228 100

226 28.5 22.2 33.4

229 20.5 16.5 24.7

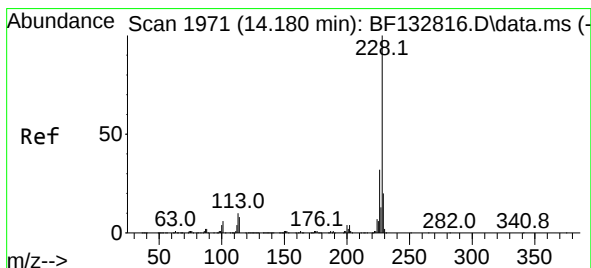
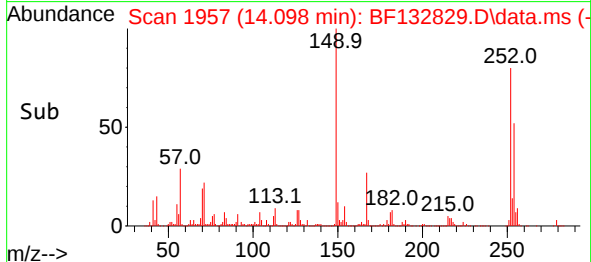
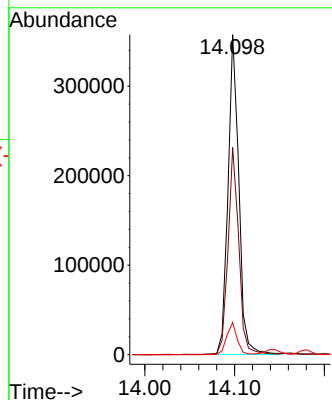
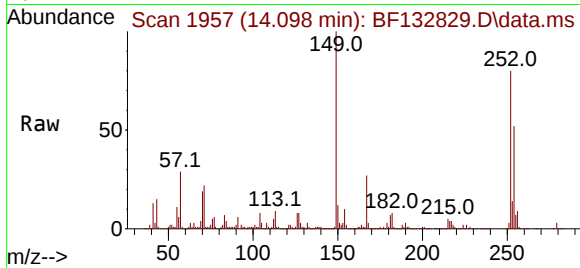




#82
 3,3'-Dichlorobenzidine
 Concen: 30.456 ng
 RT: 14.098 min Scan# 1957
 Delta R.T. 0.000 min
 Lab File: BF132829.D
 Acq: 17 Mar 2023 18:27

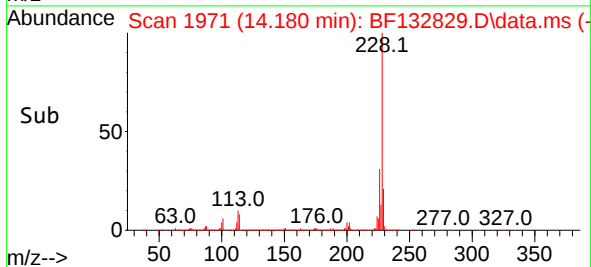
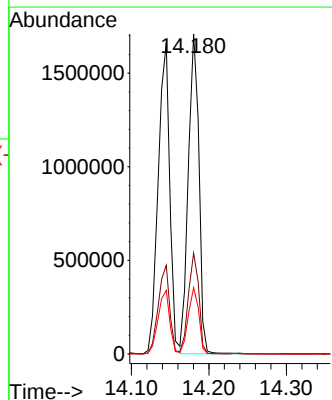
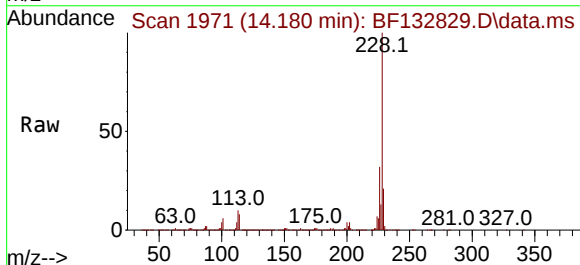
Instrument :
 BNA_F
 ClientSampleId :
 HILLBOR-DRUMS-0314

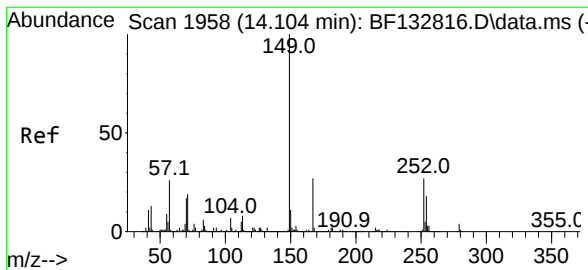
Tgt Ion:252 Resp: 299270
 Ion Ratio Lower Upper
 252 100
 254 64.8 52.2 78.4
 126 10.1 7.5 11.3



#83
 Chrysene
 Concen: 45.616 ng
 RT: 14.180 min Scan# 1971
 Delta R.T. 0.000 min
 Lab File: BF132829.D
 Acq: 17 Mar 2023 18:27

Tgt Ion:228 Resp: 1631731
 Ion Ratio Lower Upper
 228 100
 226 31.5 25.4 38.0
 229 20.7 16.1 24.1

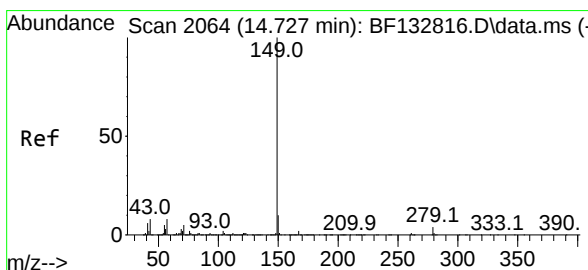
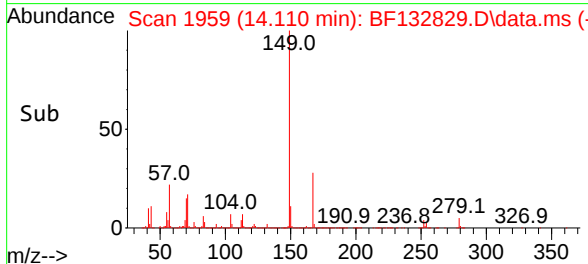
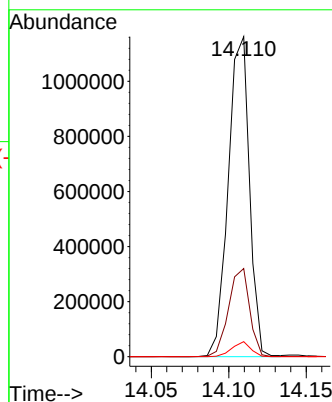
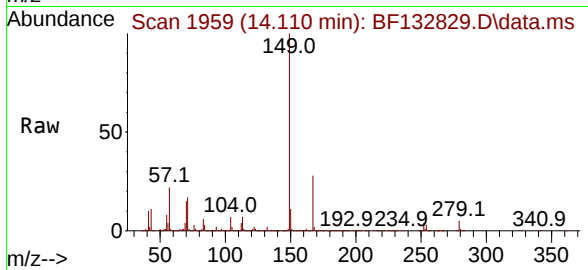




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 49.470 ng
 RT: 14.110 min Scan# 1959
 Delta R.T. 0.006 min
 Lab File: BF132829.D
 Acq: 17 Mar 2023 18:27

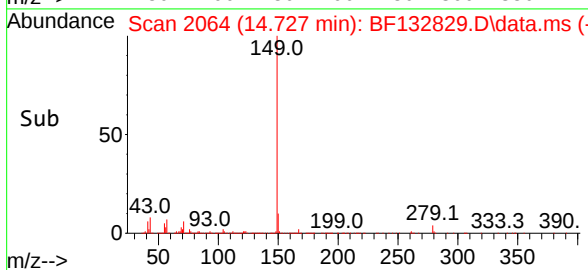
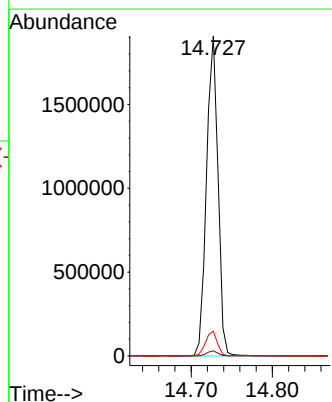
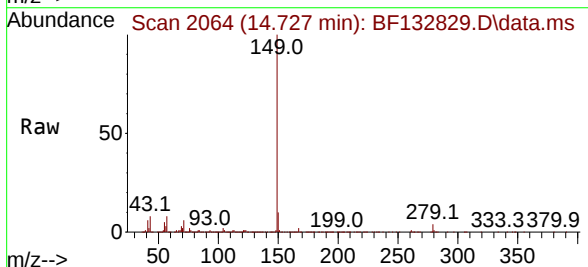
Instrument :
 BNA_F
 ClientSampleId :
 HILLBOR-DRUMS-0314

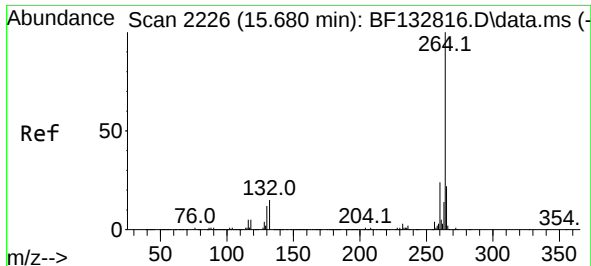
Tgt Ion:149 Resp: 1106138
 Ion Ratio Lower Upper
 149 100
 167 27.6 21.4 32.0
 279 4.7 2.9 4.3#



#85
 Di-n-octyl phthalate
 Concen: 53.281 ng
 RT: 14.727 min Scan# 2064
 Delta R.T. 0.000 min
 Lab File: BF132829.D
 Acq: 17 Mar 2023 18:27

Tgt Ion:149 Resp: 1866316
 Ion Ratio Lower Upper
 149 100
 167 1.6 1.3 1.9
 43 7.8 6.2 9.4



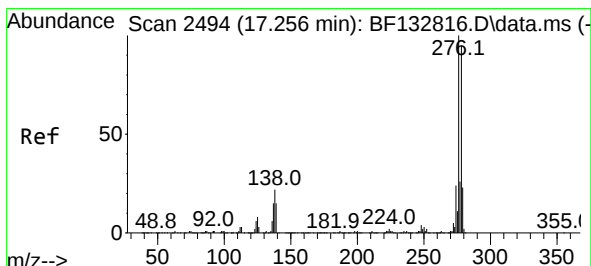
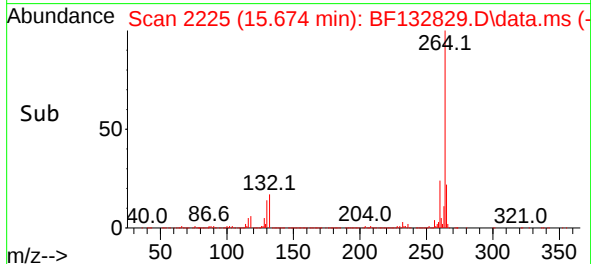
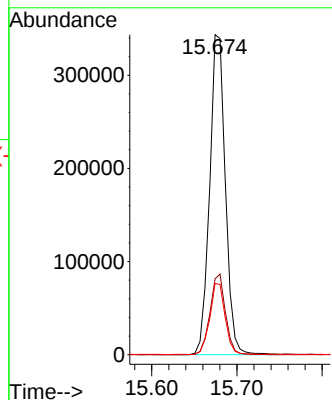
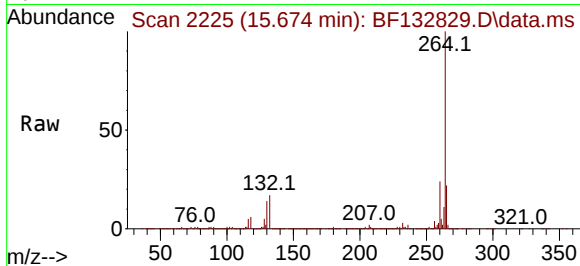


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.674 min Scan# 211
Delta R.T. -0.006 min
Lab File: BF132829.D
Acq: 17 Mar 2023 18:27

Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314

Tgt Ion:264 Resp: 441314

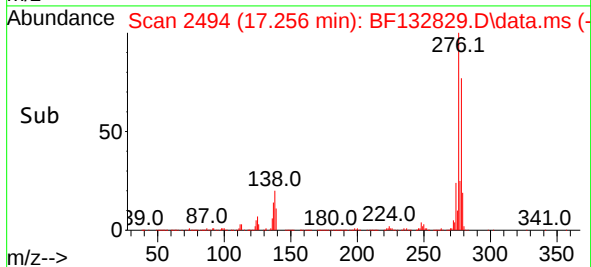
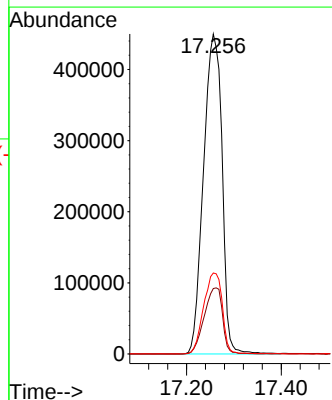
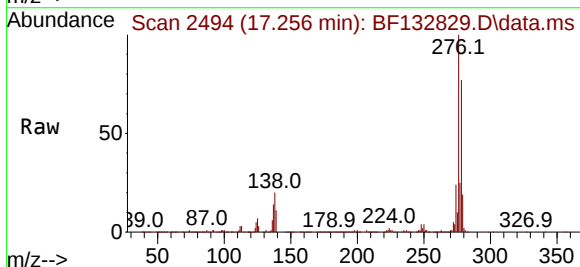
Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.9	28.3
265	22.2	17.4	26.0

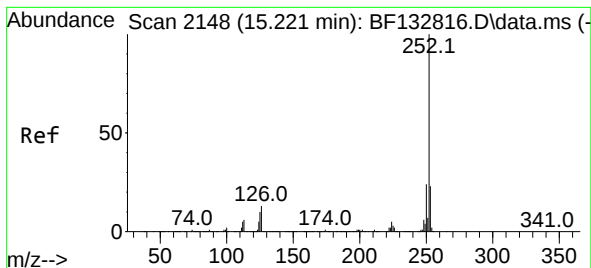


#87
Indeno(1,2,3-cd)pyrene
Concen: 44.211 ng
RT: 17.256 min Scan# 2494
Delta R.T. 0.000 min
Lab File: BF132829.D
Acq: 17 Mar 2023 18:27

Tgt Ion:276 Resp: 1223048

Ion	Ratio	Lower	Upper
276	100		
138	20.5	18.8	28.2
277	25.6	20.3	30.5





#88

Benzo(b)fluoranthene

Concen: 49.191 ng

RT: 15.227 min Scan# 2148

Delta R.T. 0.006 min

Lab File: BF132829.D

Acq: 17 Mar 2023 18:27

Instrument :

BNA_F

ClientSampleId :

HILLBOR-DRUMS-0314

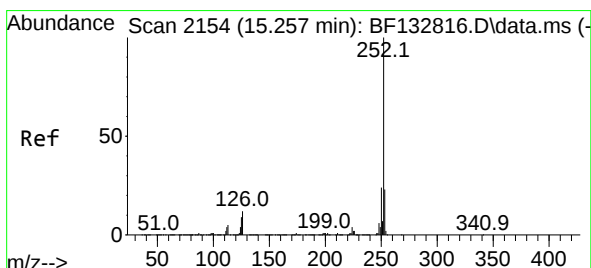
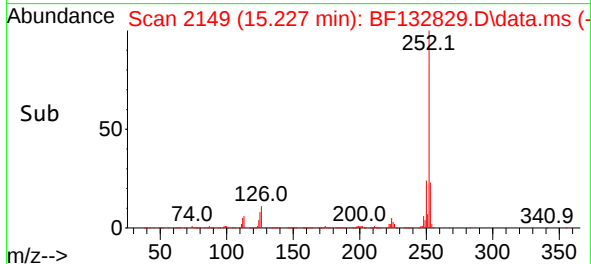
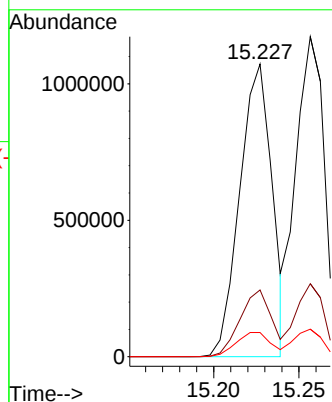
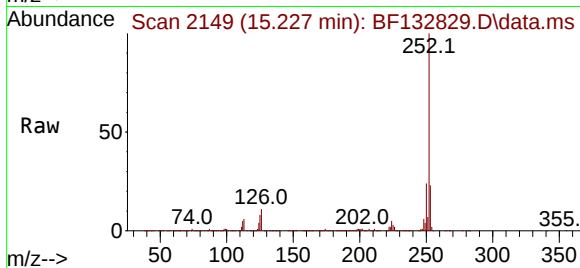
Tgt Ion:252 Resp: 1416057

Ion Ratio Lower Upper

252 100

253 22.8 18.2 27.4

125 8.3 7.8 11.8



#89

Benzo(k)fluoranthene

Concen: 49.021 ng

RT: 15.257 min Scan# 2154

Delta R.T. 0.000 min

Lab File: BF132829.D

Acq: 17 Mar 2023 18:27

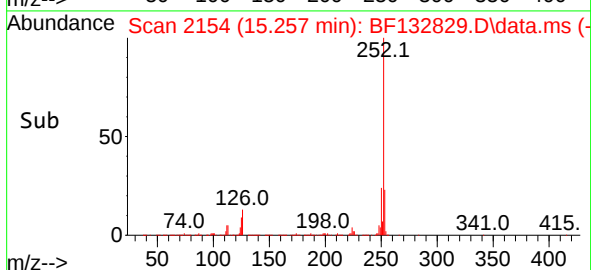
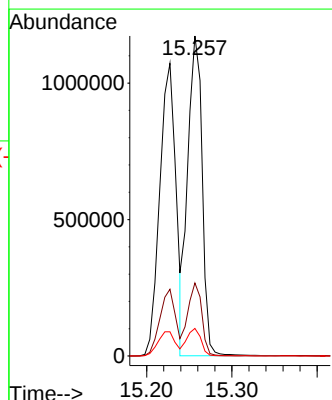
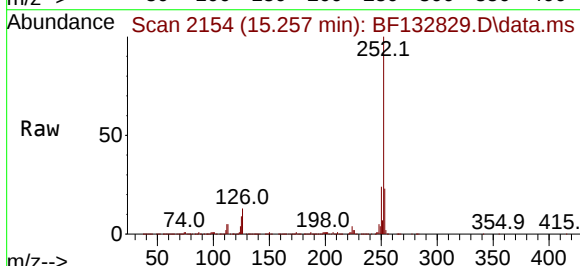
Tgt Ion:252 Resp: 1379032

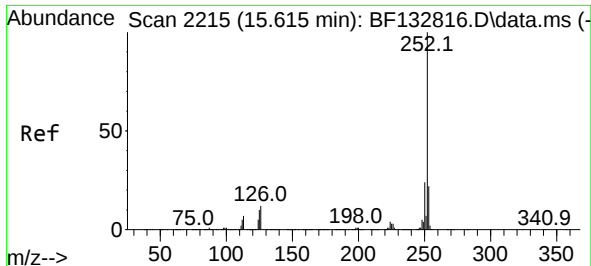
Ion Ratio Lower Upper

252 100

253 22.8 18.2 27.4

125 8.6 7.2 10.8

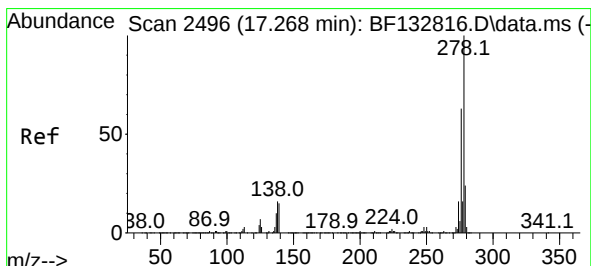
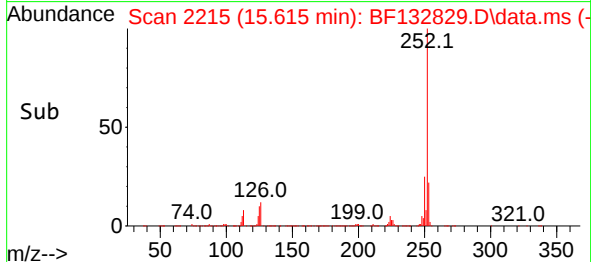
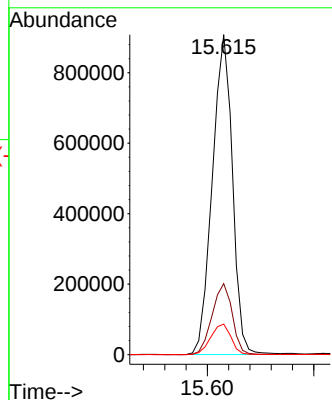
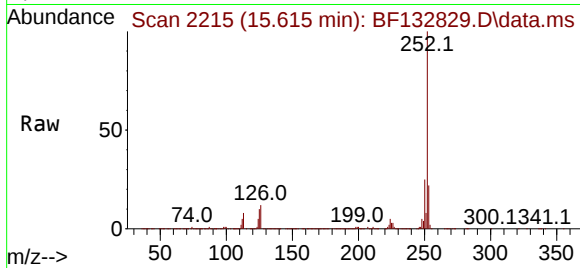




#90
Benzo(a)pyrene
Concen: 44.244 ng
RT: 15.615 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF132829.D
Acq: 17 Mar 2023 18:27

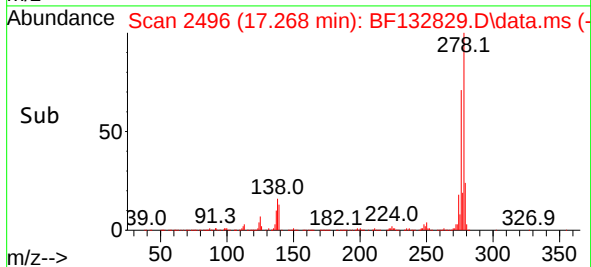
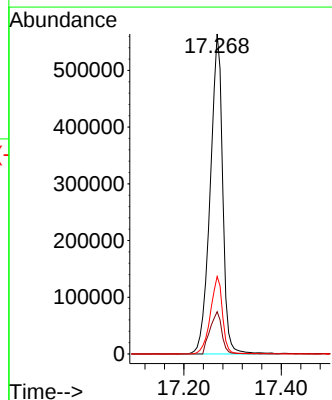
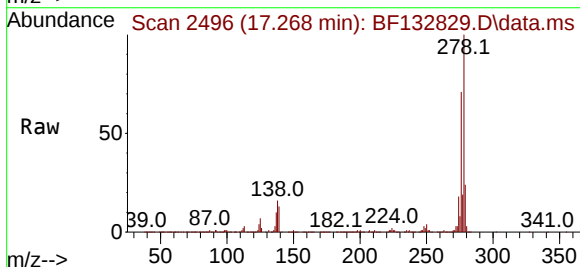
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314

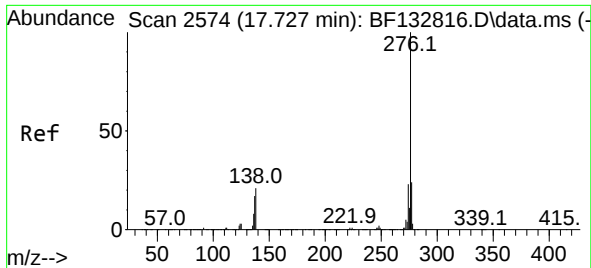
Tgt Ion:252 Resp: 1187346
Ion Ratio Lower Upper
252 100
253 22.2 17.8 26.6
125 9.5 7.7 11.5



#91
Dibenzo(a,h)anthracene
Concen: 44.269 ng
RT: 17.268 min Scan# 2496
Delta R.T. 0.000 min
Lab File: BF132829.D
Acq: 17 Mar 2023 18:27

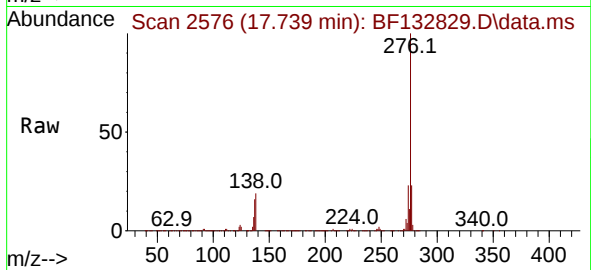
Tgt Ion:278 Resp: 999422
Ion Ratio Lower Upper
278 100
139 13.2 11.8 17.8
279 24.2 19.1 28.7





#92
 Benzo(g,h,i)perylene
 Concen: 45.973 ng
 RT: 17.739 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: BF132829.D
 Acq: 17 Mar 2023 18:27

Instrument :
 BNA_F
 ClientSampleId :
 HILLBOR-DRUMS-0314



Tgt Ion:276 Resp: 1084470
 Ion Ratio Lower Upper
 276 100
 277 23.3 19.0 28.6
 138 18.8 16.8 25.2

