

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030123\
 Data File : BF132600.D
 Acq On : 01 Mar 2023 19:55
 Operator : CG\JU
 Sample : 01722-01MSD 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-022723MSD

Quant Time: Mar 02 03:20:43 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 24 23:17:30 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.004	152	200366	20.000	ng	0.00
21) Naphthalene-d8	8.292	136	677308	20.000	ng	0.00
39) Acenaphthene-d10	10.051	164	313168	20.000	ng	0.00
64) Phenanthrene-d10	11.545	188	585264	20.000	ng	0.00
76) Chrysene-d12	14.210	240	428952	20.000	ng	0.00
86) Perylene-d12	15.763	264	337455	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.628	112	323165	26.176	ng	0.00
7) Phenol-d6	6.622	99	390950	24.264	ng	-0.01
23) Nitrobenzene-d5	7.563	82	224907	15.754	ng	0.00
42) 2,4,6-Tribromophenol	10.845	330	77809	23.006	ng	0.00
45) 2-Fluorobiphenyl	9.363	172	383396	18.641	ng	0.00
79) Terphenyl-d14	13.133	244	437895	17.260	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.899	88	126065	18.460	ng	97
3) Pyridine	3.669	79	310572	17.133	ng	96
4) n-Nitrosodimethylamine	3.616	42	121708	17.775	ng	83
6) Aniline	6.663	93	189887	8.757	ng	95
8) 2-Chlorophenol	6.787	128	266080	20.766	ng	97
9) Benzaldehyde	6.557	77	137852	15.856	ng	96
10) Phenol	6.640	94	365087	19.764	ng	89
11) bis(2-Chloroethyl)ether	6.734	93	293995	20.617	ng	91
12) 1,3-Dichlorobenzene	6.946	146	293548	21.349	ng	97
13) 1,4-Dichlorobenzene	7.022	146	295897	21.551	ng	98
14) 1,2-Dichlorobenzene	7.175	146	276570	20.989	ng	97
15) Benzyl Alcohol	7.140	79	227476	18.332	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.275	45	361675	19.889	ng	99
17) 2-Methylphenol	7.251	107	220065	18.403	ng	94
18) Hexachloroethane	7.516	117	101351	18.895	ng	99
19) n-Nitroso-di-n-propyla...	7.404	70	185646	18.722	ng	94
20) 3+4-Methylphenols	7.404	107	263231	17.038	ng	# 88
22) Acetophenone	7.410	105	362279	21.212	ng	# 86
24) Nitrobenzene	7.581	77	283791	18.588	ng	97
25) Isophorone	7.822	82	512275	18.717	ng	98
26) 2-Nitrophenol	7.904	139	129823	19.272	ng	# 87
27) 2,4-Dimethylphenol	7.934	122	218297	20.532	ng	97
28) bis(2-Chloroethoxy)met...	8.028	93	326999	20.423	ng	99
29) 2,4-Dichlorophenol	8.145	162	205027	19.386	ng	98
30) 1,2,4-Trichlorobenzene	8.228	180	235917	20.543	ng	98
31) Naphthalene	8.310	128	945585	27.271	ng	99
32) Benzoic acid	8.016	122	121667	17.197	ng	93
33) 4-Chloroaniline	8.357	127	131493	8.850	ng	94
34) Hexachlorobutadiene	8.422	225	144117	19.748	ng	99
35) Caprolactam	8.710	113	62000	17.782	ng	96
36) 4-Chloro-3-methylphenol	8.834	107	199759	17.199	ng	97
37) 2-Methylnaphthalene	9.004	142	561596	23.766	ng	98
38) 1-Methylnaphthalene	9.104	142	485567	21.988	ng	99
40) 1,2,4,5-Tetrachloroben...	9.169	216	218285	21.304	ng	99
41) Hexachlorocyclopentadiene	9.151	237	48977	8.813	ng	98
43) 2,4,6-Trichlorophenol	9.281	196	136899	19.715	ng	100

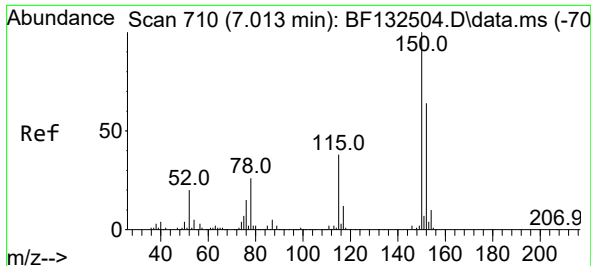
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 QLast Update : Fri Feb 24 23:17:30 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.322	196	137790	17.002	ng	96
46) 1,1'-Biphenyl	9.469	154	541086	22.828	ng	97
47) 2-Chloronaphthalene	9.492	162	395422	21.041	ng	99
48) 2-Nitroaniline	9.587	65	118456	17.114	ng	92
49) Acenaphthylene	9.910	152	632533	21.148	ng	99
50) Dimethylphthalate	9.757	163	460641	20.201	ng	100
51) 2,6-Dinitrotoluene	9.828	165	96426	18.568	ng	91
52) Acenaphthene	10.086	154	400558	21.091	ng	98
53) 3-Nitroaniline	9.998	138	83942	14.450	ng	98
54) 2,4-Dinitrophenol	10.110	184	24731	9.228	ng	95
55) Dibenzofuran	10.257	168	595878	21.522	ng	97
56) 4-Nitrophenol	10.157	139	150939	34.841	ng	94
57) 2,4-Dinitrotoluene	10.234	165	119287	17.266	ng	92
58) Fluorene	10.604	166	514926	24.314	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.375	232	111748	18.562	ng	# 99
60) Diethylphthalate	10.463	149	434219	19.498	ng	99
61) 4-Chlorophenyl-phenyle...	10.592	204	214496	19.523	ng	92
62) 4-Nitroaniline	10.610	138	93953	16.476	ng	92
63) Azobenzene	10.751	77	463792	19.664	ng	97
65) 4,6-Dinitro-2-methylph...	10.645	198	20196	5.097	ng	95
66) n-Nitrosodiphenylamine	10.704	169	367296	20.130	ng	99
67) 4-Bromophenyl-phenylether	11.081	248	126829	19.158	ng	94
68) Hexachlorobenzene	11.151	284	138544	19.888	ng	# 94
69) Atrazine	11.233	200	121908	21.402	ng	98
70) Pentachlorophenol	11.351	266	149668	36.112	ng	98
71) Phenanthrene	11.575	178	1216884	40.135	ng	98
72) Anthracene	11.622	178	786816	25.201	ng	99
73) Carbazole	11.775	167	622894	22.128	ng	98
74) Di-n-butylphthalate	12.098	149	708098	21.444	ng	98
75) Fluoranthene	12.769	202	1309278	39.501	ng	99
77) Benzidine	12.886	184	278463	26.668	ng	99
78) Pyrene	13.004	202	1377266	35.315	ng	99
80) Butylbenzylphthalate	13.610	149	309675	20.122	ng	95
81) Benzo(a)anthracene	14.198	228	945550	29.461	ng	97
82) 3,3'-Dichlorobenzidine	14.151	252	146793	15.514	ng	100
83) Chrysene	14.233	228	845865	28.183	ng	100
84) Bis(2-ethylhexyl)phtha...	14.163	149	433772	22.944	ng	100
85) Di-n-octyl phthalate	14.792	149	693180	25.091	ng	99
87) Indeno(1,2,3-cd)pyrene	17.362	276	506500	22.907	ng	100
88) Benzo(b)fluoranthene	15.298	252	733538	32.437	ng	96
89) Benzo(k)fluoranthene	15.327	252	567991	25.663	ng	99
90) Benzo(a)pyrene	15.692	252	593546	28.043	ng	97
91) Dibenzo(a,h)anthracene	17.380	278	359020	19.928	ng	98
92) Benzo(g,h,i)perylene	17.857	276	428022	21.930	ng	97

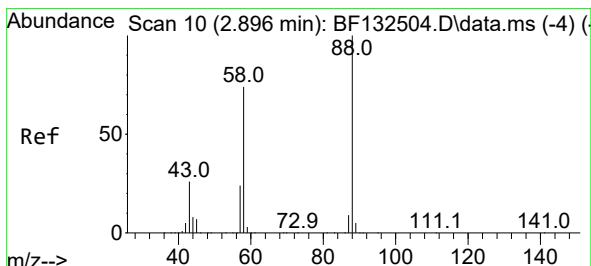
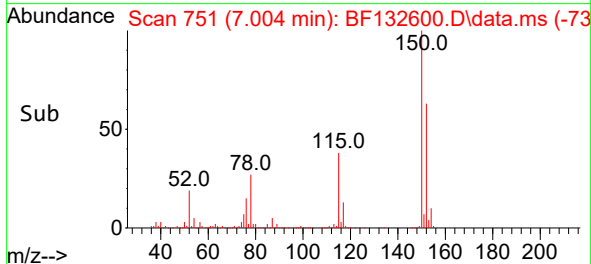
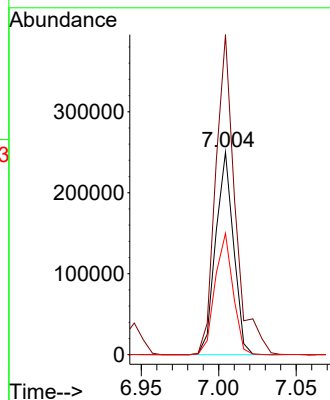
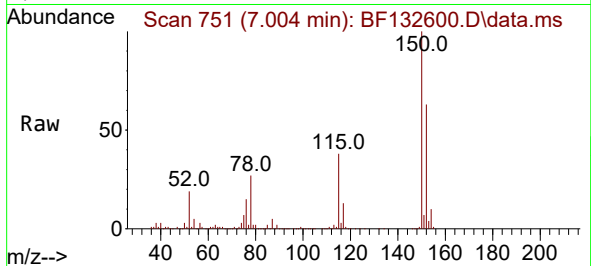
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.004 min Scan# 71
Delta R.T. -0.003 min
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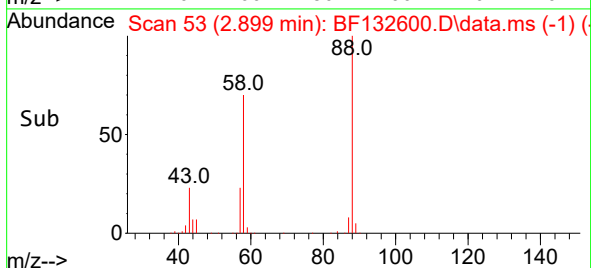
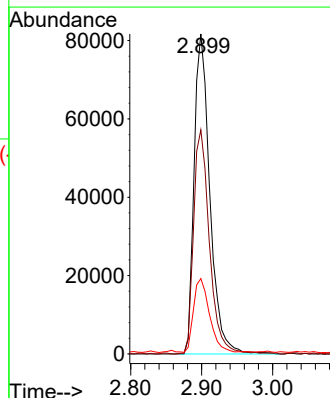
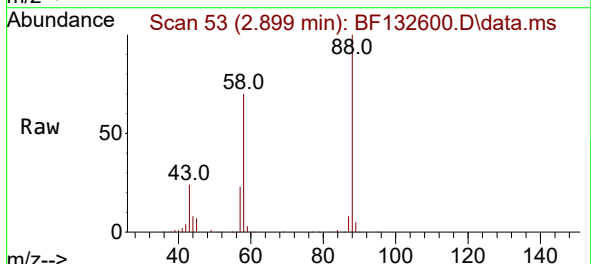
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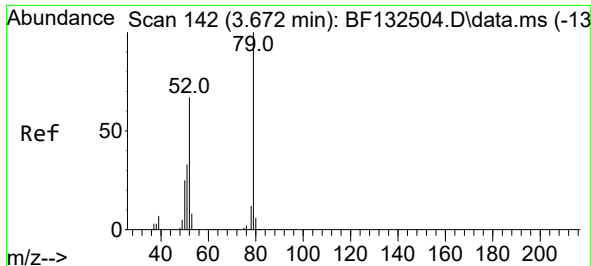
Tgt Ion:152 Resp: 200366
Ion Ratio Lower Upper
152 100
150 158.0 125.4 188.2
115 59.9 47.8 71.6



#2
1,4-Dioxane
Concen: 18.460 ng
RT: 2.899 min Scan# 53
Delta R.T. 0.015 min
Lab File: BF132600.D
Acq: 01 Mar 2023 19:55

Tgt Ion: 88 Resp: 126065
Ion Ratio Lower Upper
88 100
58 70.8 58.3 87.5
43 22.9 20.7 31.1

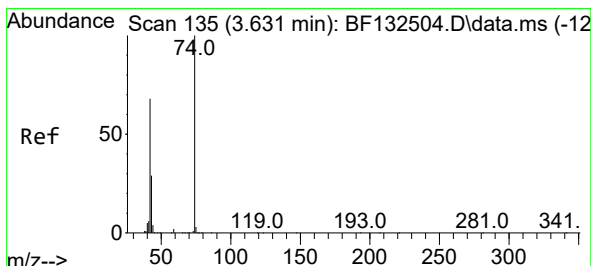
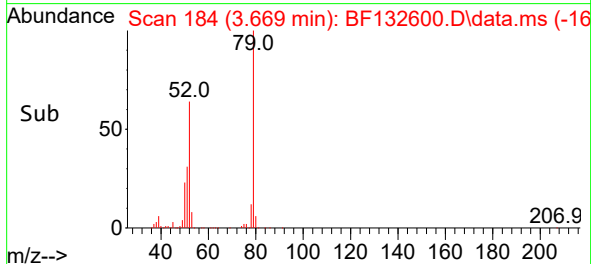
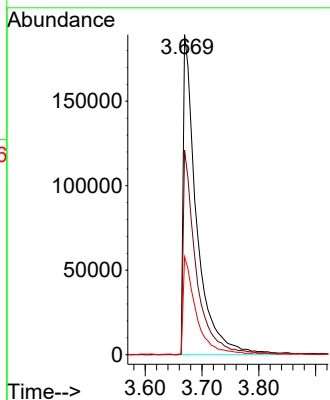
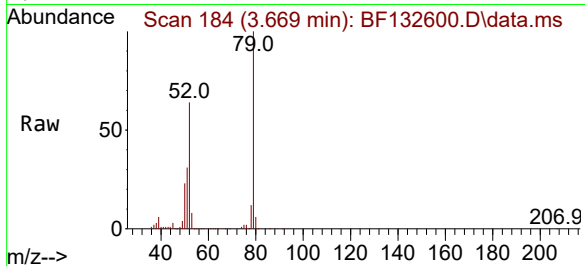




#3
Pyridine
Concen: 17.133 ng
RT: 3.669 min Scan# 11
Delta R.T. 0.015 min
Lab File: BF132600.D
Acq: 01 Mar 2023 19:55

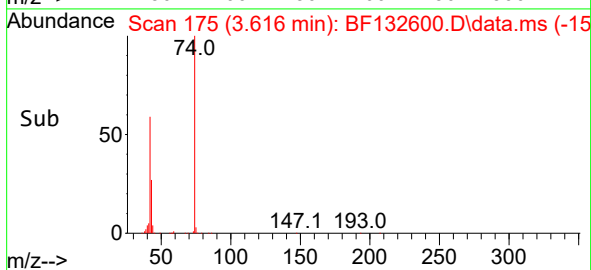
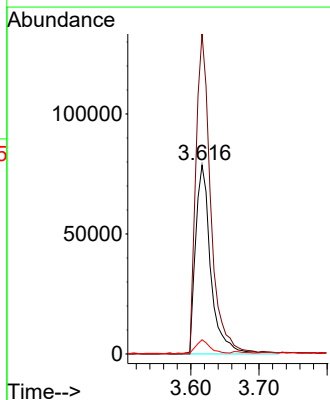
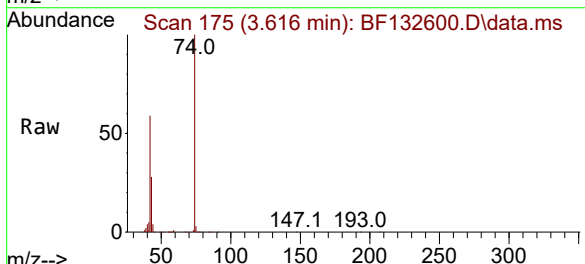
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ClientSampleId :
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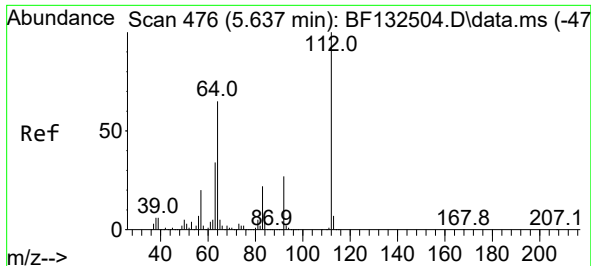
Tgt Ion: 79 Resp: 310572
Ion Ratio Lower Upper
79 100
52 63.9 53.7 80.5
51 30.5 26.6 40.0



#4
n-Nitrosodimethylamine
Concen: 17.775 ng
RT: 3.616 min Scan# 175
Delta R.T. -0.009 min
Lab File: BF132600.D
Acq: 01 Mar 2023 19:55

Tgt Ion: 42 Resp: 121708
Ion Ratio Lower Upper
42 100
74 169.5 118.2 177.2
44 7.6 5.3 7.9

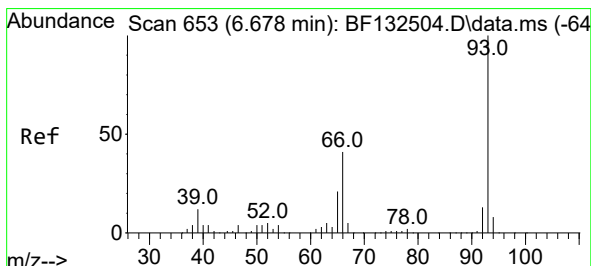
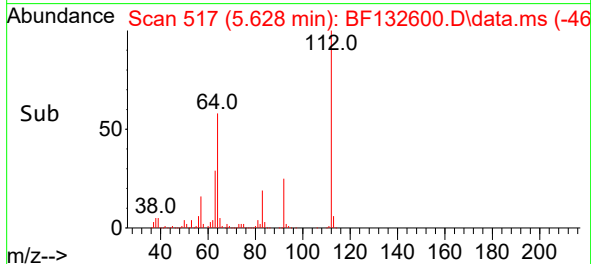
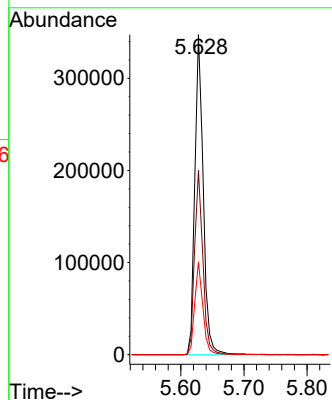
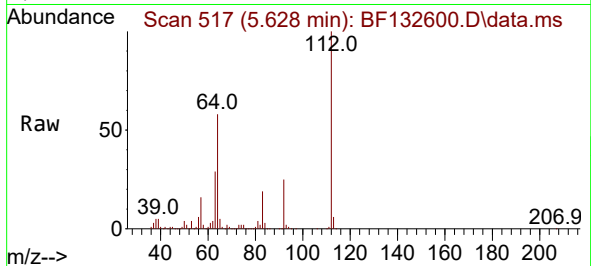




#5
2-Fluorophenol
Concen: 26.176 ng
RT: 5.628 min Scan# 517
Delta R.T. -0.003 min
Lab File: BF132600.D
Acq: 01 Mar 2023 19:55

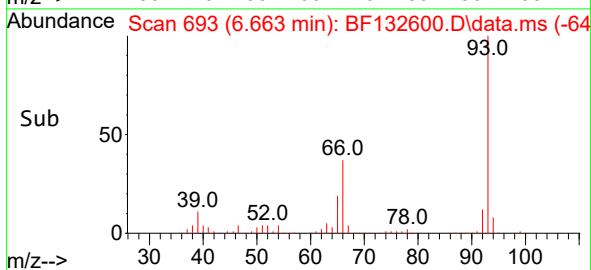
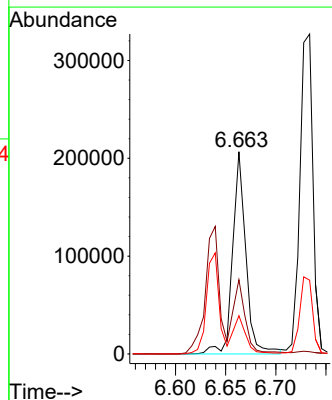
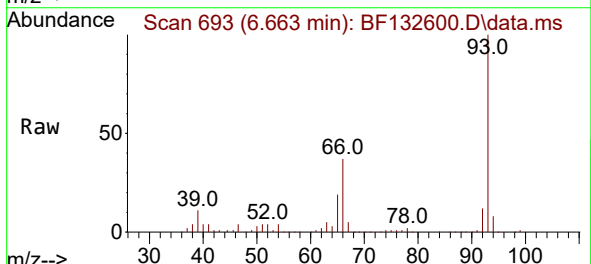
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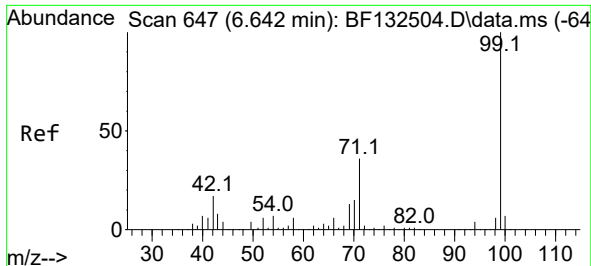
Tgt Ion:112 Resp: 323165
Ion Ratio Lower Upper
112 100
64 57.6 51.6 77.4
63 29.0 27.4 41.2



#6
Aniline
Concen: 8.757 ng
RT: 6.663 min Scan# 693
Delta R.T. -0.009 min
Lab File: BF132600.D
Acq: 01 Mar 2023 19:55

Tgt Ion: 93 Resp: 189887
Ion Ratio Lower Upper
93 100
66 36.7 32.5 48.7
65 18.9 16.6 24.8

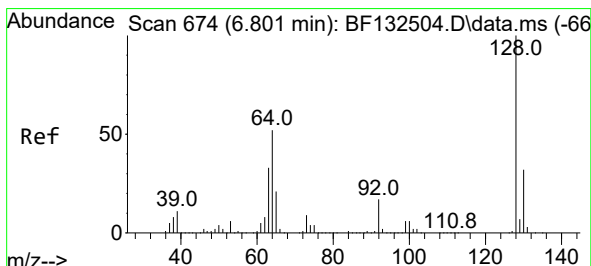
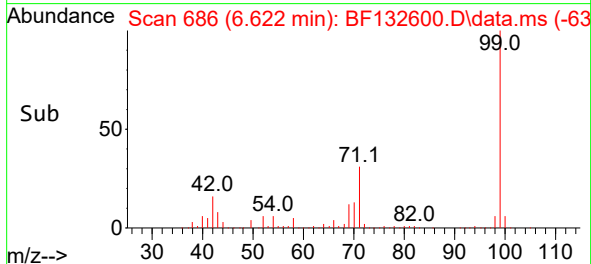
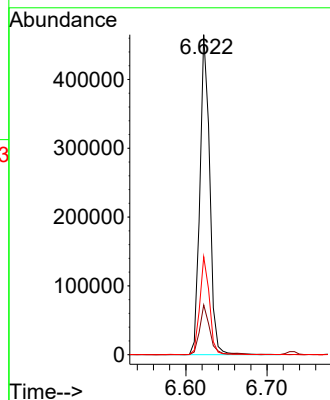
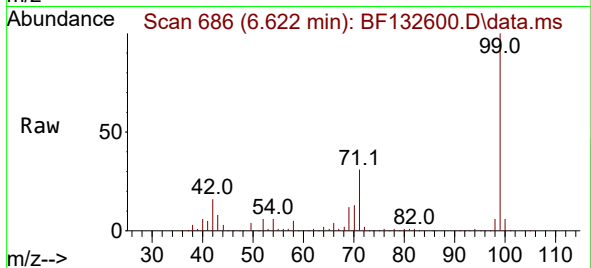




#7
Phenol-d6
Concen: 24.264 ng
RT: 6.622 min Scan# 61
Delta R.T. -0.015 min
Lab File: BF132600.D
Acq: 01 Mar 2023 19:55

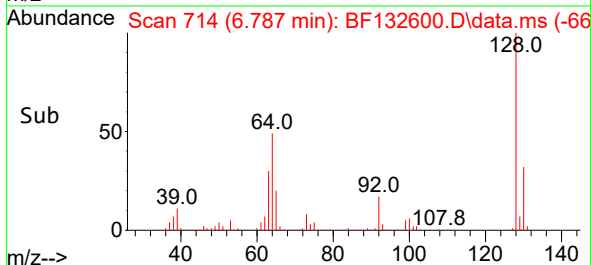
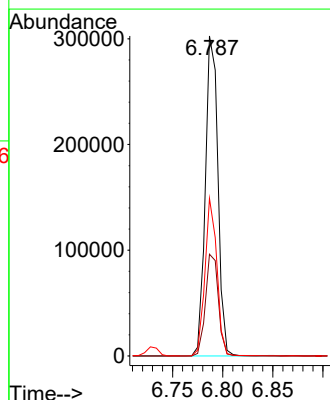
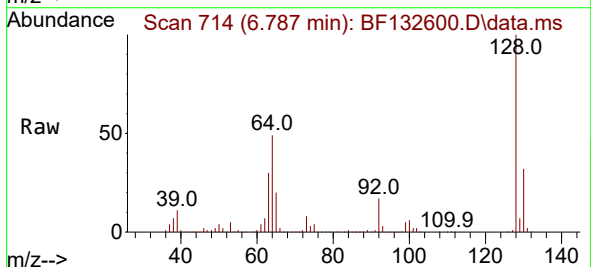
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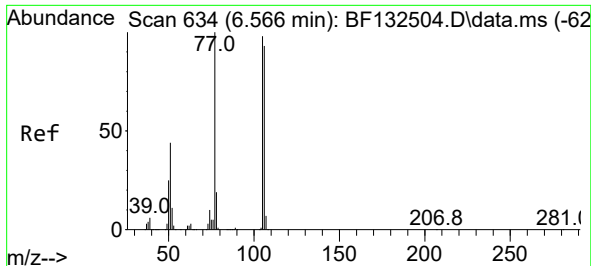
Tgt Ion: 99 Resp: 390950
Ion Ratio Lower Upper
99 100
42 15.5 13.9 20.9
71 30.6 28.5 42.7



#8
2-Chlorophenol
Concen: 20.766 ng
RT: 6.787 min Scan# 714
Delta R.T. -0.009 min
Lab File: BF132600.D
Acq: 01 Mar 2023 19:55

Tgt Ion: 128 Resp: 266080
Ion Ratio Lower Upper
128 100
130 31.8 12.1 52.1
64 49.2 32.0 72.0

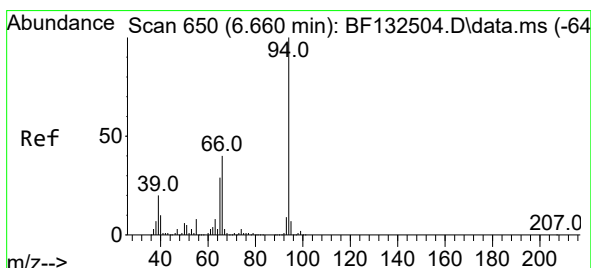
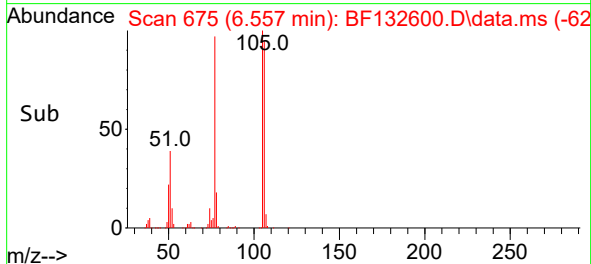
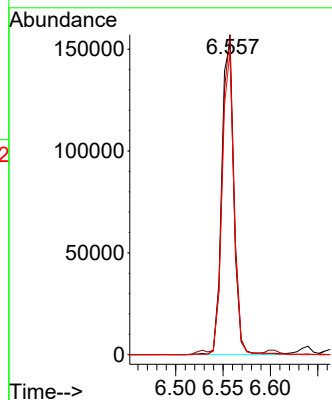
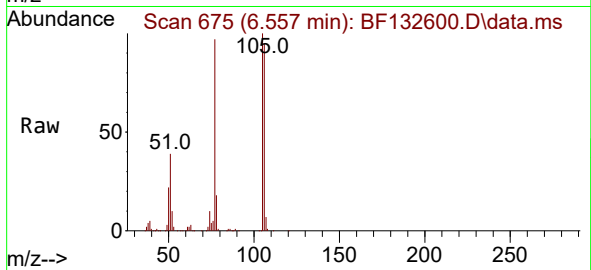




#9
Benzaldehyde
Concen: 15.856 ng
RT: 6.557 min Scan# 61
Delta R.T. -0.003 min
Lab File: BF132600.D
Acq: 01 Mar 2023 19:55

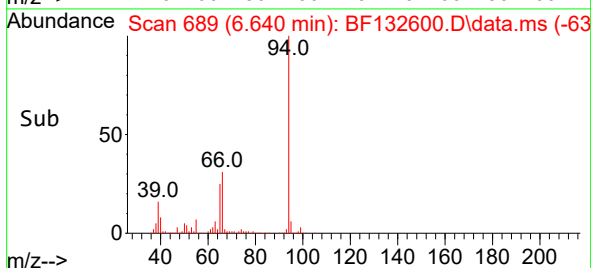
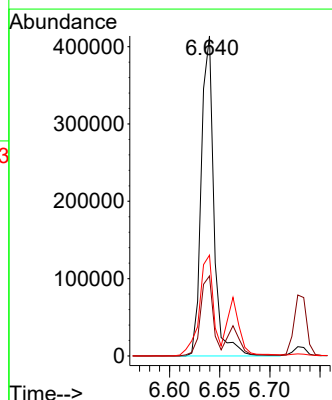
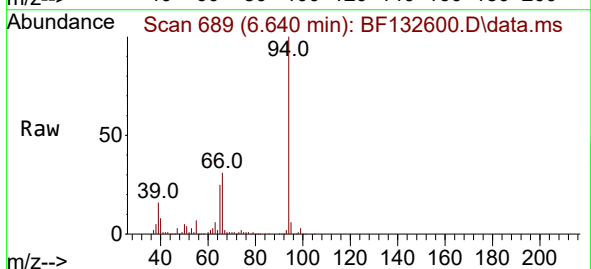
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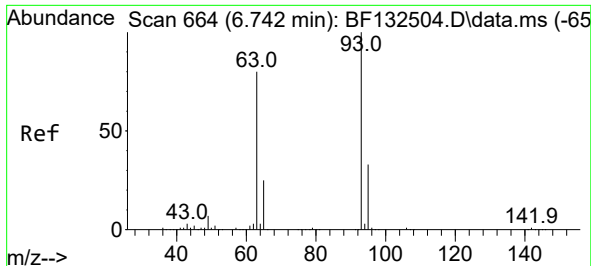
Tgt Ion: 77 Resp: 137852
Ion Ratio Lower Upper
77 100
105 102.7 77.9 117.9
106 97.2 73.4 113.4



#10
Phenol
Concen: 19.764 ng
RT: 6.640 min Scan# 689
Delta R.T. -0.009 min
Lab File: BF132600.D
Acq: 01 Mar 2023 19:55

Tgt Ion: 94 Resp: 365087
Ion Ratio Lower Upper
94 100
65 25.0 9.4 49.4
66 31.5 19.8 59.8

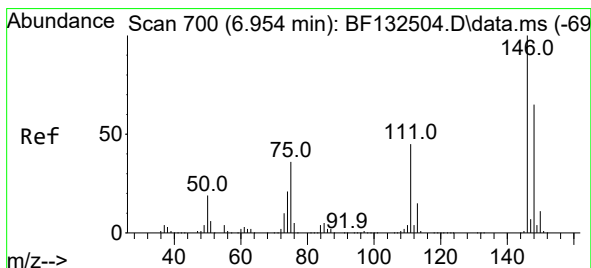
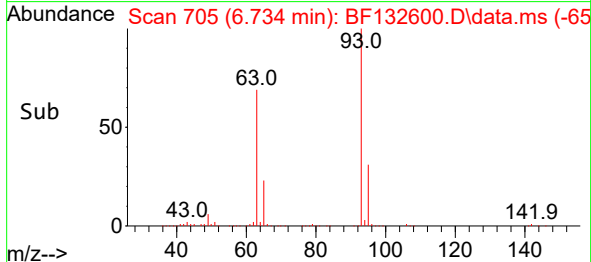
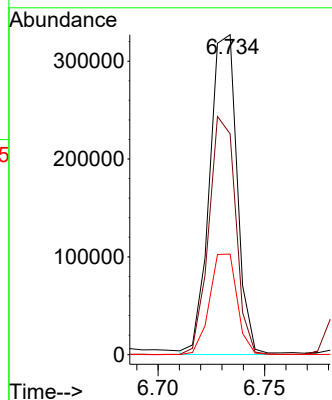
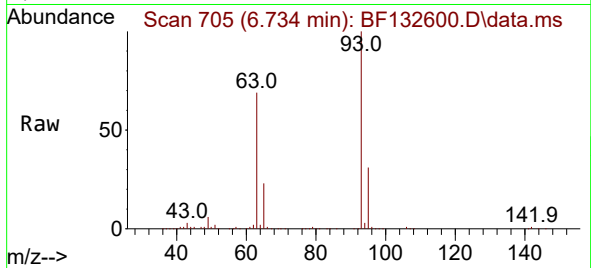




#11
bis(2-Chloroethyl)ether
Concen: 20.617 ng
RT: 6.734 min Scan# 705
Delta R.T. -0.009 min
Lab File: BF132600.D
Acq: 01 Mar 2023 19:55

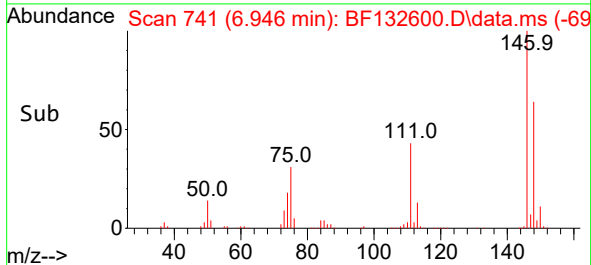
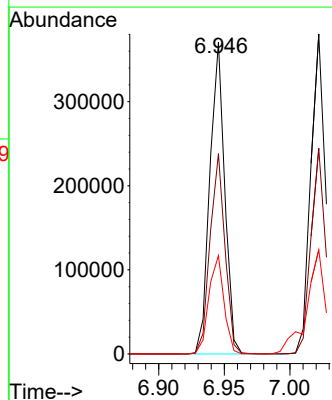
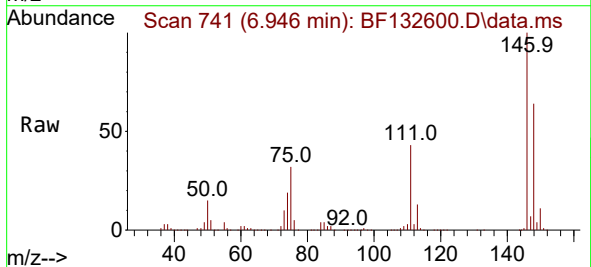
Instrument :
BNA_F
ClientSampleId :
HD-01-022723MSD

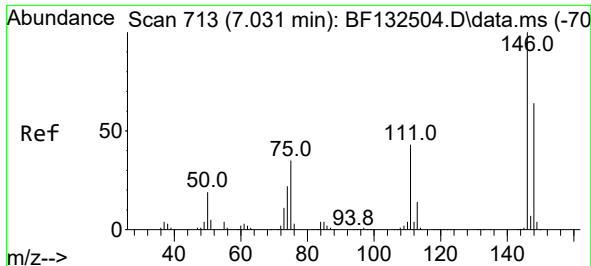
Tgt Ion: 93 Resp: 293995
Ion Ratio Lower Upper
93 100
63 69.0 59.6 99.6
95 31.5 12.8 52.8



#12
1,3-Dichlorobenzene
Concen: 21.349 ng
RT: 6.946 min Scan# 741
Delta R.T. -0.003 min
Lab File: BF132600.D
Acq: 01 Mar 2023 19:55

Tgt Ion:146 Resp: 293548
Ion Ratio Lower Upper
146 100
148 64.2 51.9 77.9
75 31.5 28.9 43.3





#13

1,4-Dichlorobenzene

Concen: 21.551 ng

RT: 7.022 min Scan# 713

Delta R.T. -0.003 min

Lab File: BF132600.D

Acq: 01 Mar 2023 19:55

Instrument :

BNA_F

ClientSampleId :

HD-01-022723MSD

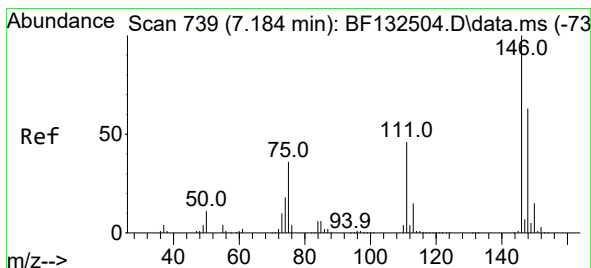
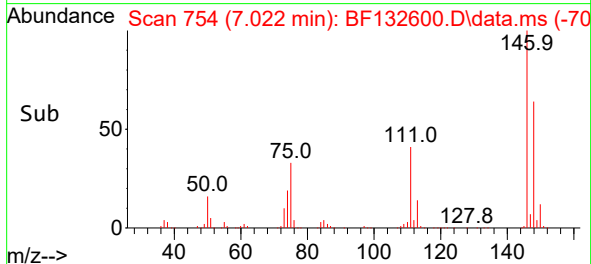
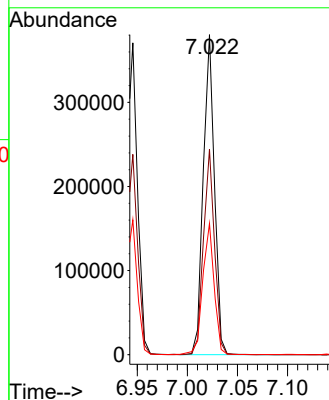
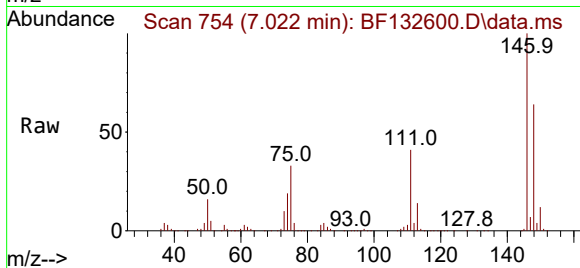
Tgt Ion:146 Resp: 295897

Ion Ratio Lower Upper

146 100

148 64.2 51.1 76.7

111 41.0 34.8 52.2



#14

1,2-Dichlorobenzene

Concen: 20.989 ng

RT: 7.175 min Scan# 780

Delta R.T. -0.003 min

Lab File: BF132600.D

Acq: 01 Mar 2023 19:55

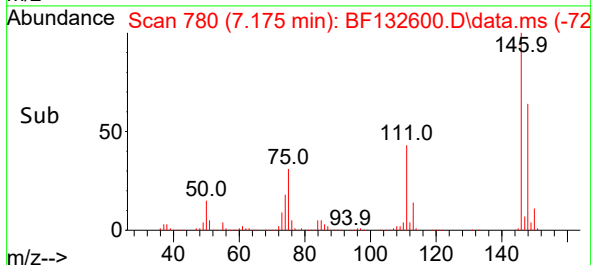
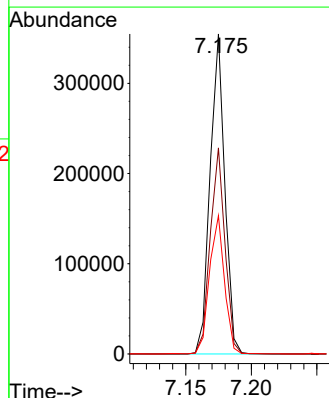
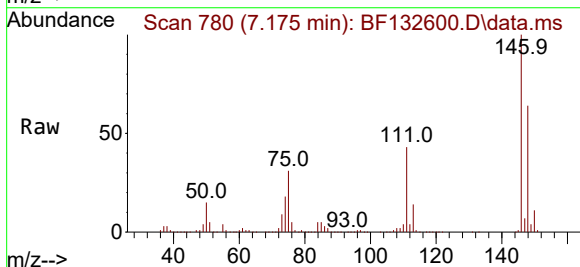
Tgt Ion:146 Resp: 276570

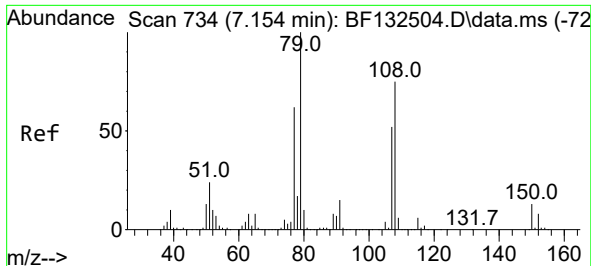
Ion Ratio Lower Upper

146 100

148 64.4 50.6 75.8

111 43.2 37.2 55.8

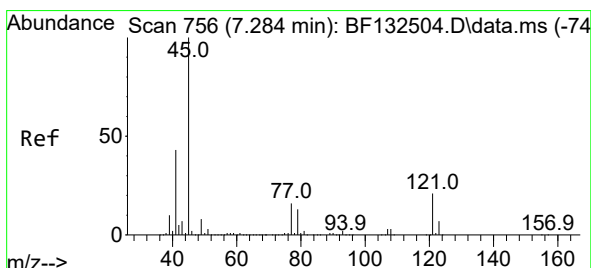
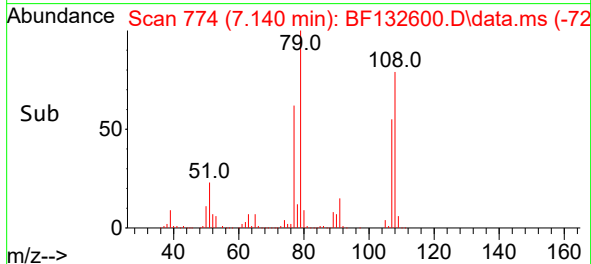
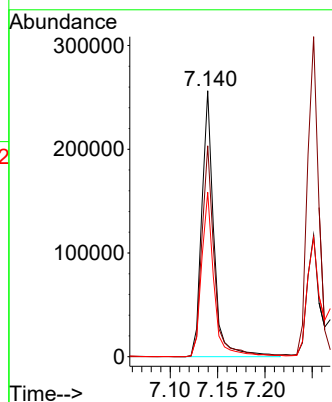
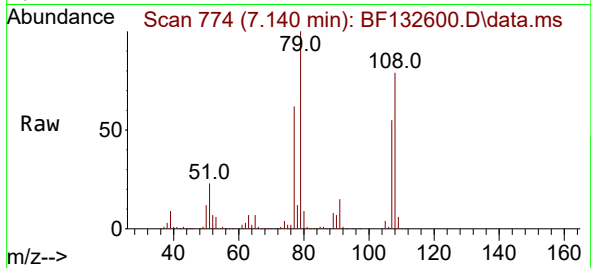




#15
Benzyl Alcohol
Concen: 18.332 ng
RT: 7.140 min Scan# 71
Delta R.T. -0.009 min
Lab File: BF132600.D
Acq: 01 Mar 2023 19:55

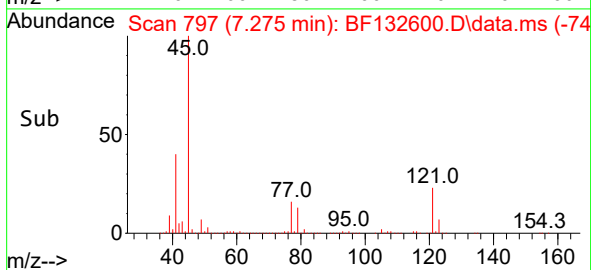
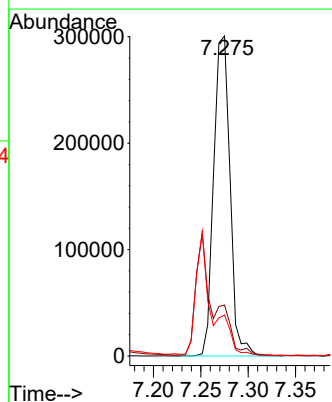
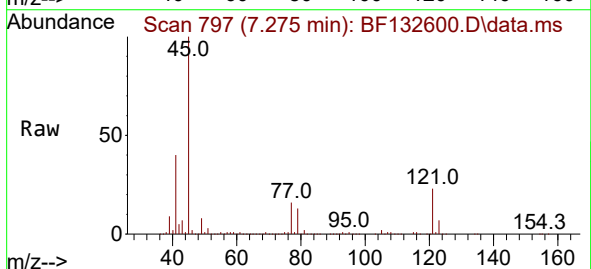
Instrument :
BNA_F
ClientSampleId :
HD-01-022723MSD

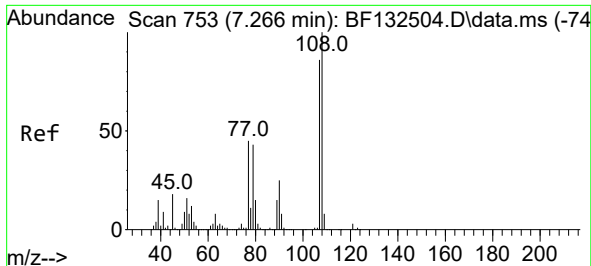
Tgt Ion: 79 Resp: 227476
Ion Ratio Lower Upper
79 100
108 79.3 60.2 90.4
77 61.8 49.9 74.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 19.889 ng
RT: 7.275 min Scan# 797
Delta R.T. -0.003 min
Lab File: BF132600.D
Acq: 01 Mar 2023 19:55

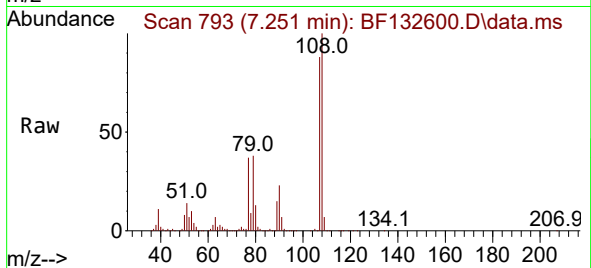
Tgt Ion: 45 Resp: 361675
Ion Ratio Lower Upper
45 100
77 15.9 0.0 36.4
79 12.8 0.0 33.4



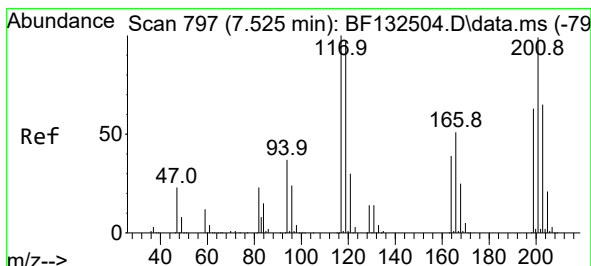
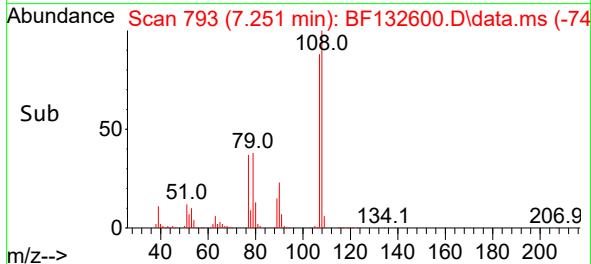
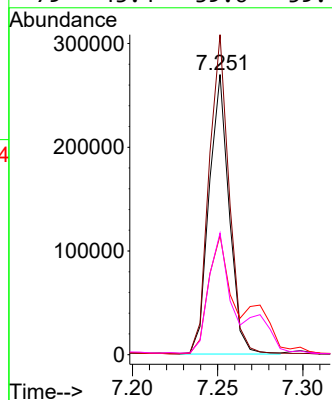


#17
2-Methylphenol
Concen: 18.403 ng
RT: 7.251 min Scan# 74
Delta R.T. -0.003 min
Lab File: BF132600.D
Acq: 01 Mar 2023 19:55

Instrument :
BNA_F
ClientSampleId :
HD-01-022723MSD

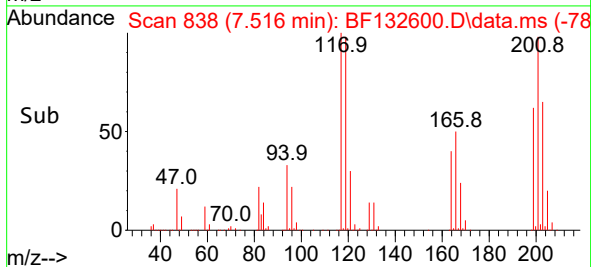
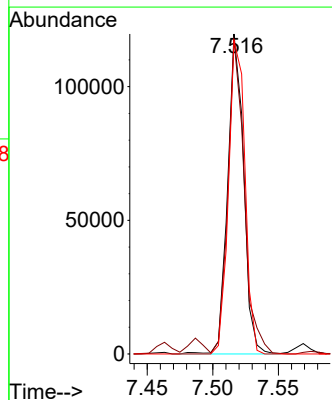
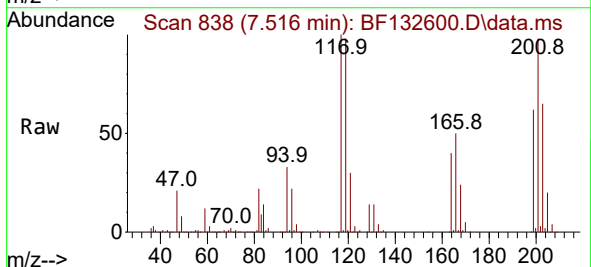


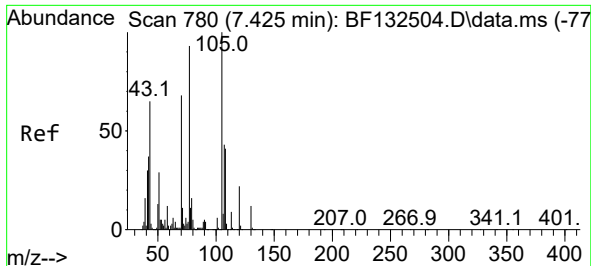
Tgt Ion:107 Resp: 220065
Ion Ratio Lower Upper
107 100
108 114.2 93.0 139.4
77 42.6 42.1 63.1
79 43.4 39.6 59.4



#18
Hexachloroethane
Concen: 18.895 ng
RT: 7.516 min Scan# 838
Delta R.T. -0.003 min
Lab File: BF132600.D
Acq: 01 Mar 2023 19:55

Tgt Ion:117 Resp: 101351
Ion Ratio Lower Upper
117 100
119 98.4 78.0 117.0
201 98.0 79.0 118.4

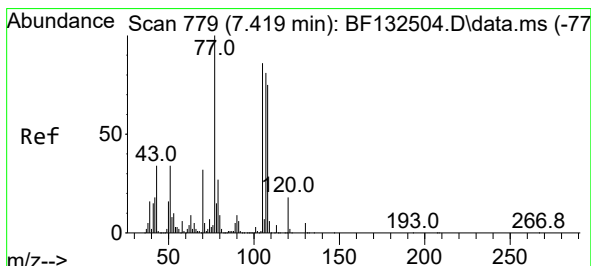
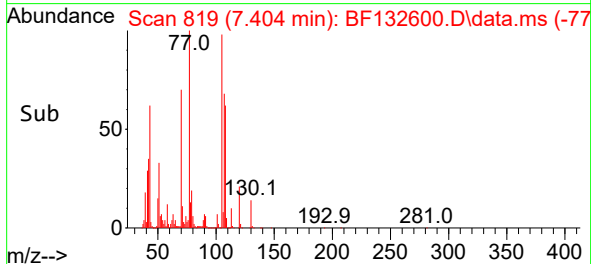
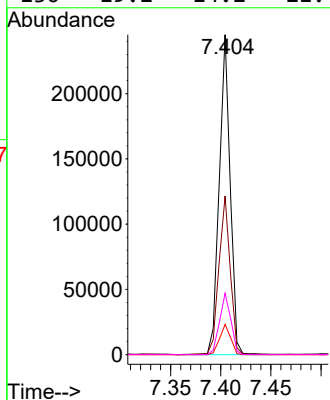
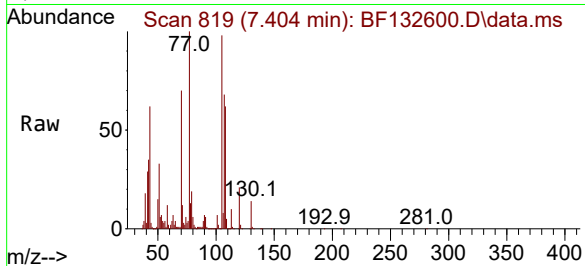




#19
n-Nitroso-di-n-propylamine
Concen: 18.722 ng
RT: 7.404 min Scan# 819
Delta R.T. -0.014 min
Lab File: BF132600.D
Acq: 01 Mar 2023 19:55

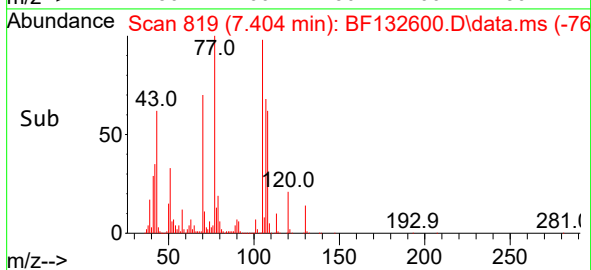
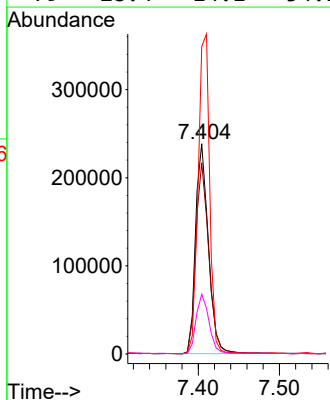
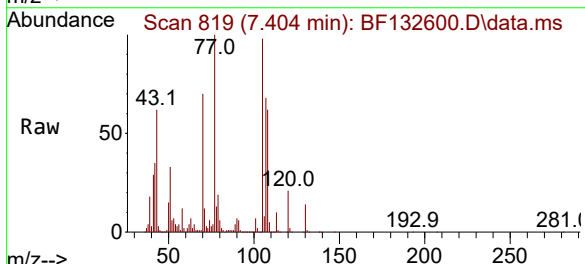
Instrument :
BNA_F
ClientSampleId :
HD-01-022723MSD

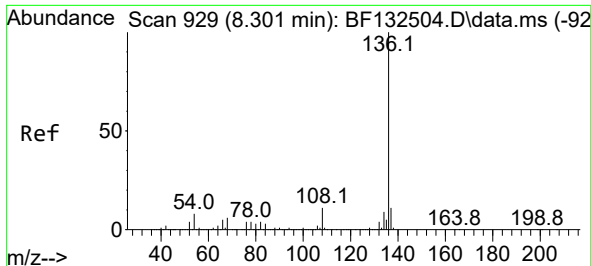
Tgt Ion: 70 Resp: 185646
Ion Ratio Lower Upper
70 100
42 49.6 44.1 66.1
101 9.4 7.4 11.2
130 19.2 14.2 21.4



#20
3+4-Methylphenols
Concen: 17.038 ng
RT: 7.404 min Scan# 819
Delta R.T. -0.003 min
Lab File: BF132600.D
Acq: 01 Mar 2023 19:55

Tgt Ion: 107 Resp: 263231
Ion Ratio Lower Upper
107 100
108 90.9 72.6 112.6
77 146.2 104.0 144.0#
79 28.4 14.1 54.1

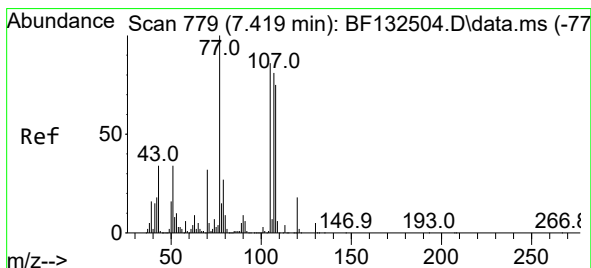
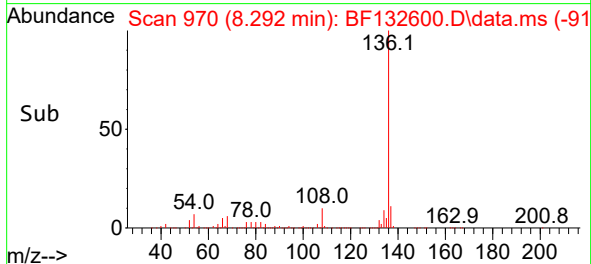
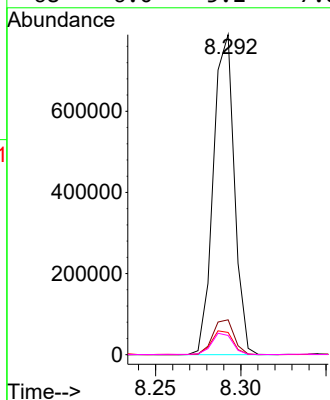
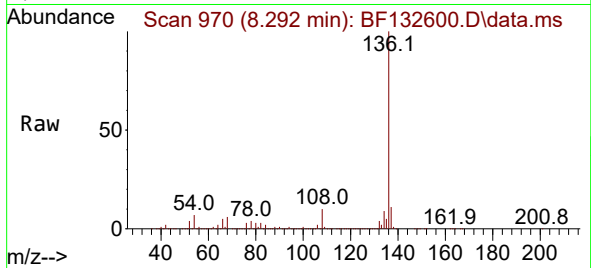




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.292 min Scan# 91
Delta R.T. 0.003 min
Lab File: BF132600.D
Acq: 01 Mar 2023 19:55

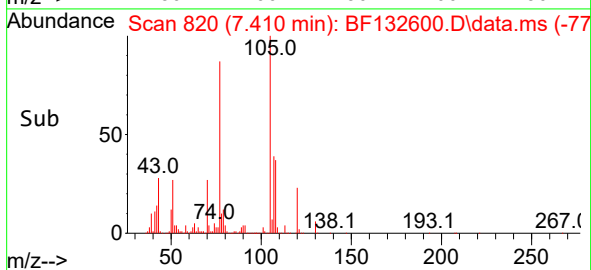
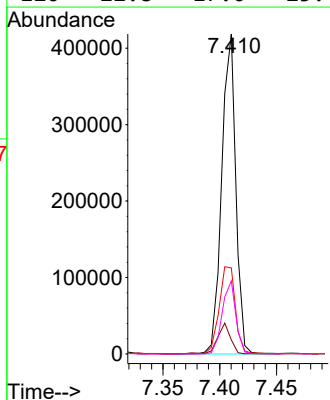
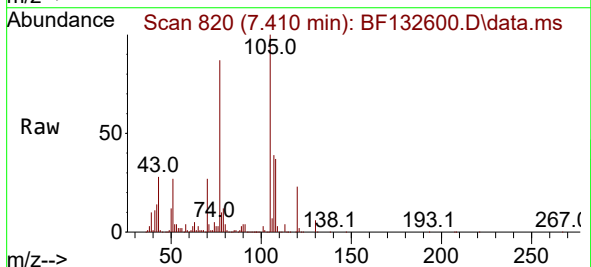
Instrument :
BNA_F
ClientSampleId :
HD-01-022723MSD

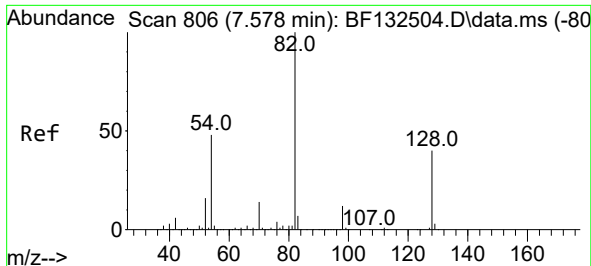
Tgt Ion:136 Resp: 677308
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 7.0 6.2 9.4
68 6.0 5.2 7.8



#22
Acetophenone
Concen: 21.212 ng
RT: 7.410 min Scan# 820
Delta R.T. -0.009 min
Lab File: BF132600.D
Acq: 01 Mar 2023 19:55

Tgt Ion:105 Resp: 362279
Ion Ratio Lower Upper
105 100
71 4.4 5.0 7.4#
51 26.9 31.5 47.3#
120 22.8 17.0 25.4





#23

Nitrobenzene-d5

Concen: 15.754 ng

RT: 7.563 min Scan# 846

Delta R.T. -0.009 min

Lab File: BF132600.D

Acq: 01 Mar 2023 19:55

Instrument :

BNA_F

ClientSampleId :

HD-01-022723MSD

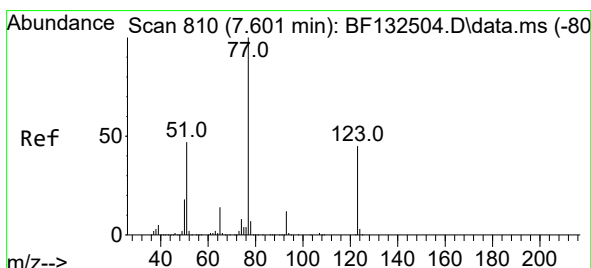
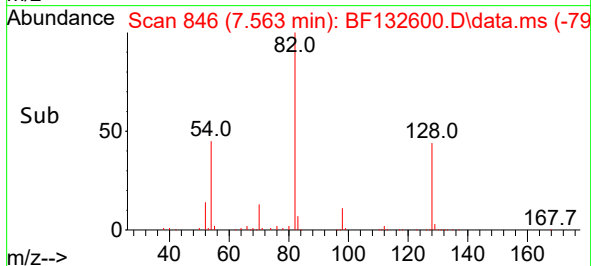
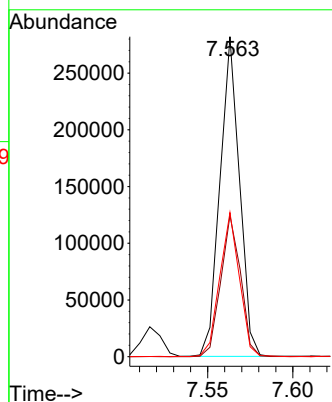
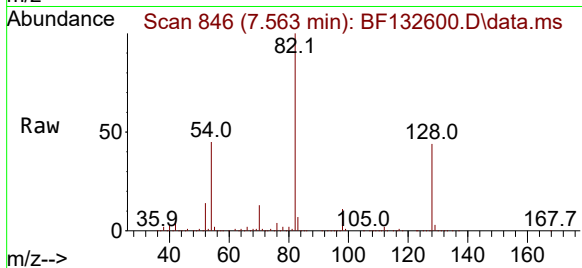
Tgt Ion: 82 Resp: 224907

Ion Ratio Lower Upper

82 100

128 44.2 32.2 48.2

54 45.0 38.4 57.6



#24

Nitrobenzene

Concen: 18.588 ng

RT: 7.581 min Scan# 849

Delta R.T. -0.014 min

Lab File: BF132600.D

Acq: 01 Mar 2023 19:55

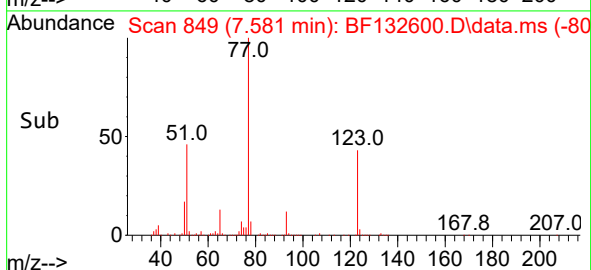
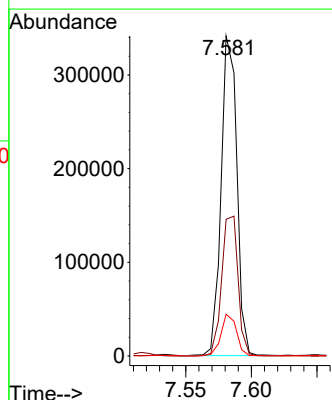
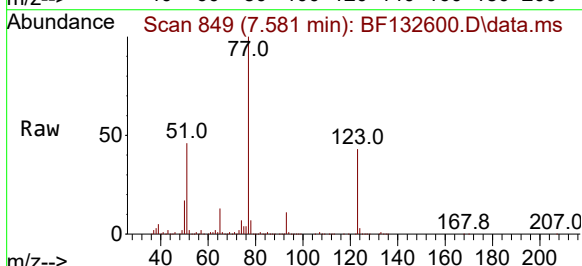
Tgt Ion: 77 Resp: 283791

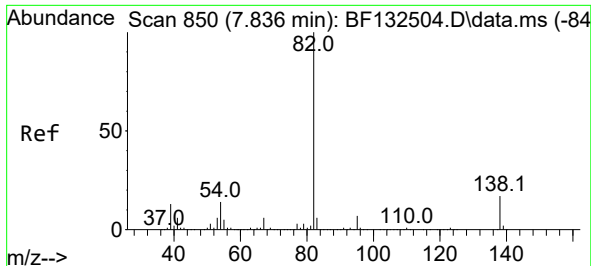
Ion Ratio Lower Upper

77 100

123 42.7 35.8 53.6

65 13.1 10.9 16.3

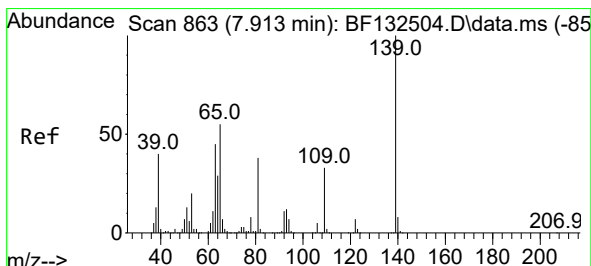
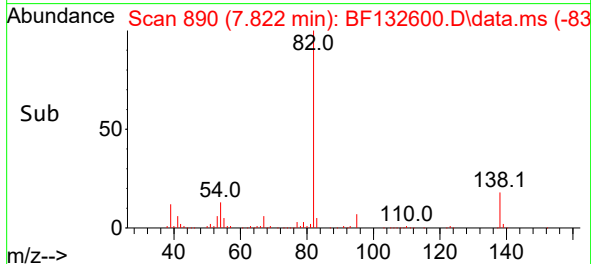
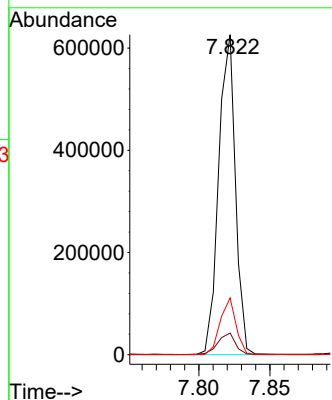
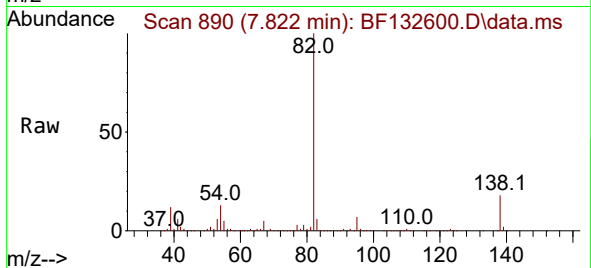




#25
Isophorone
Concen: 18.717 ng
RT: 7.822 min Scan# 890
Delta R.T. -0.003 min
Lab File: BF132600.D
Acq: 01 Mar 2023 19:55

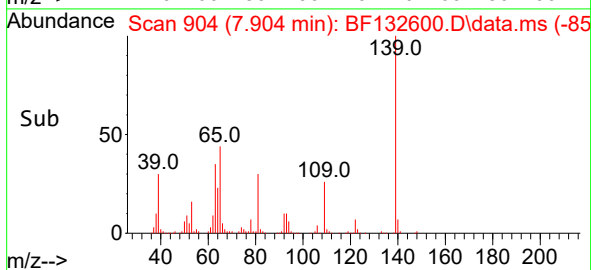
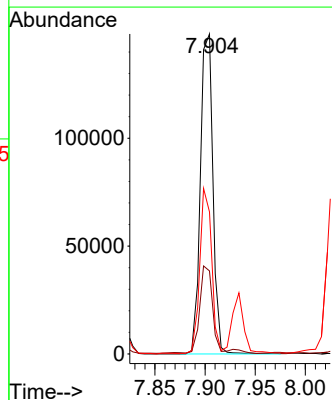
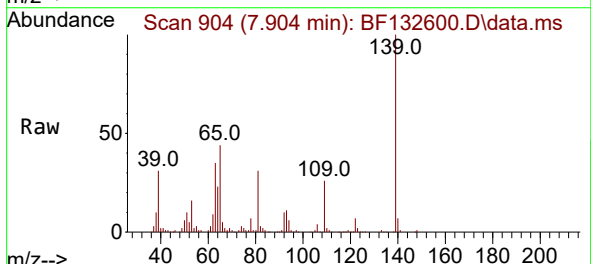
Instrument :
BNA_F
ClientSampleId :
HD-01-022723MSD

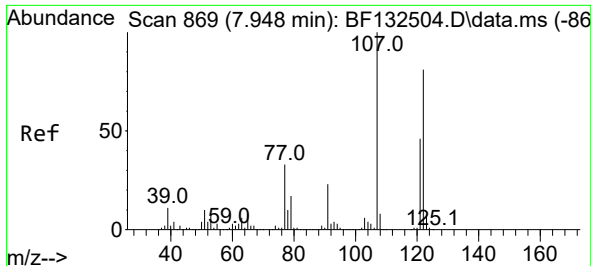
Tgt Ion: 82 Resp: 512275
Ion Ratio Lower Upper
82 100
95 6.8 5.7 8.5
138 17.8 13.3 19.9



#26
2-Nitrophenol
Concen: 19.272 ng
RT: 7.904 min Scan# 904
Delta R.T. -0.003 min
Lab File: BF132600.D
Acq: 01 Mar 2023 19:55

Tgt Ion: 139 Resp: 129823
Ion Ratio Lower Upper
139 100
109 25.9 26.2 39.2#
65 44.4 43.8 65.8

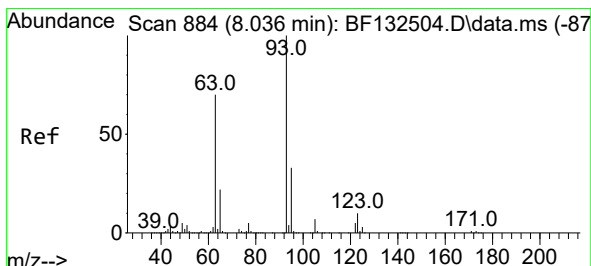
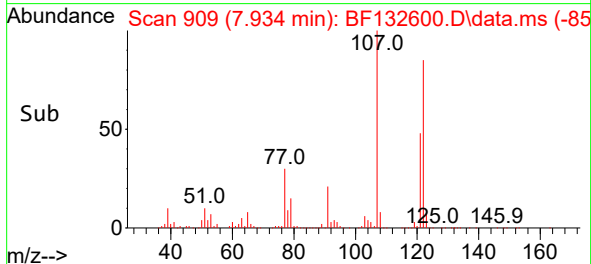
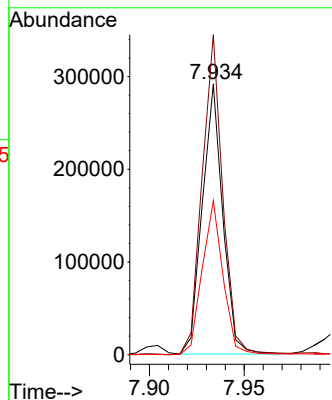
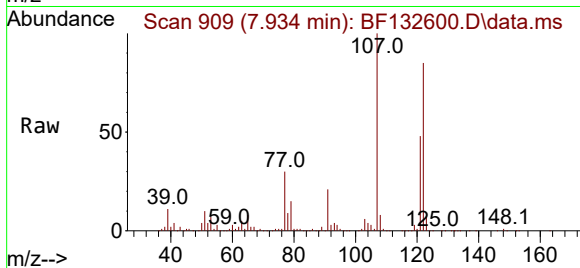




#27
2,4-Dimethylphenol
Concen: 20.532 ng
RT: 7.934 min Scan# 909
Delta R.T. -0.003 min
Lab File: BF132600.D
Acq: 01 Mar 2023 19:55

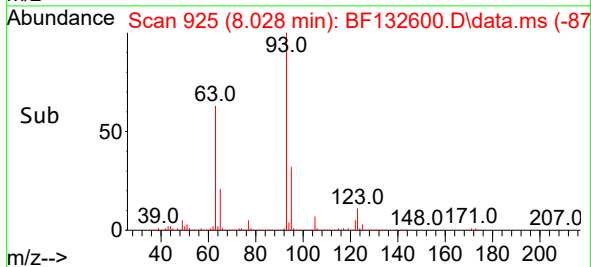
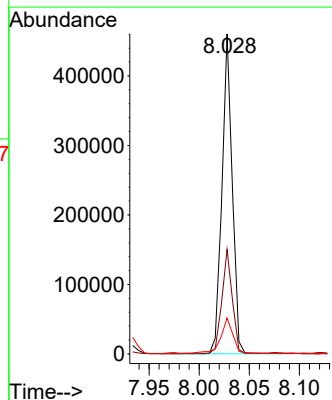
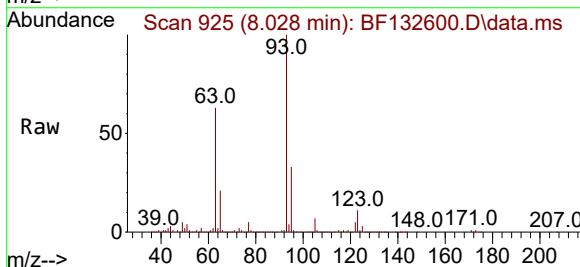
Instrument :
BNA_F
ClientSampleId :
HD-01-022723MSD

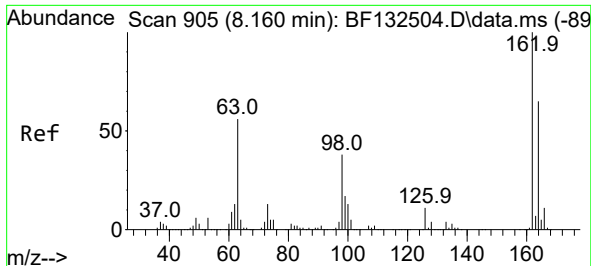
Tgt Ion:122 Resp: 218297
Ion Ratio Lower Upper
122 100
107 118.1 98.7 148.1
121 56.8 45.8 68.6



#28
bis(2-Chloroethoxy)methane
Concen: 20.423 ng
RT: 8.028 min Scan# 925
Delta R.T. -0.003 min
Lab File: BF132600.D
Acq: 01 Mar 2023 19:55

Tgt Ion: 93 Resp: 326999
Ion Ratio Lower Upper
93 100
95 32.6 26.3 39.5
123 11.2 8.3 12.5





#29

2,4-Dichlorophenol

Concen: 19.386 ng

RT: 8.145 min Scan# 945

Delta R.T. -0.003 min

Lab File: BF132600.D

Acq: 01 Mar 2023 19:55

Instrument :

BNA_F

ClientSampleId :

HD-01-022723MSD

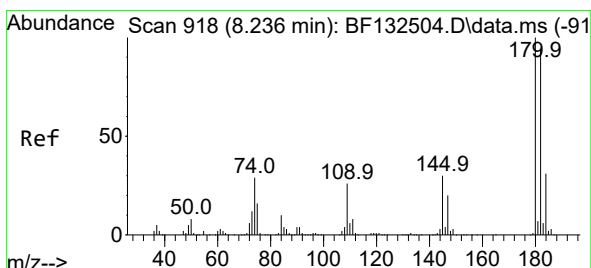
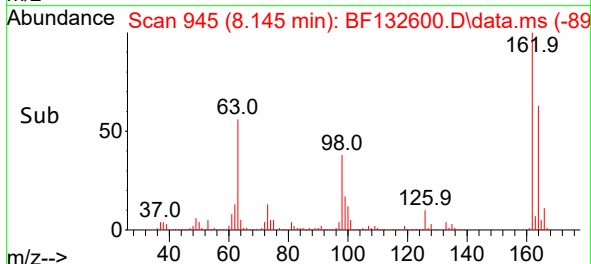
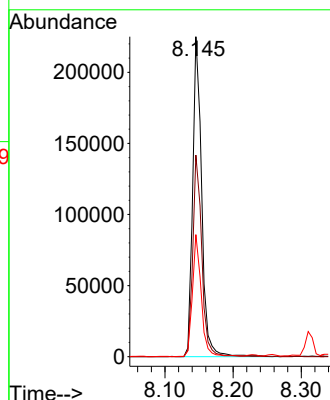
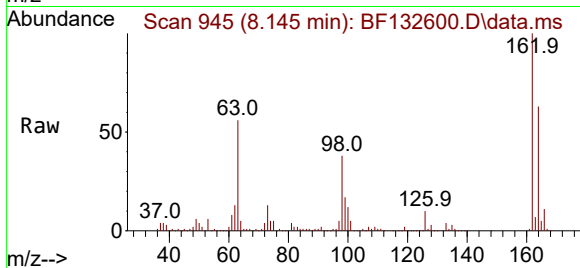
Tgt Ion:162 Resp: 205027

Ion Ratio Lower Upper

162 100

164 63.0 45.3 85.3

98 38.2 17.9 57.9



#30

1,2,4-Trichlorobenzene

Concen: 20.543 ng

RT: 8.228 min Scan# 959

Delta R.T. -0.003 min

Lab File: BF132600.D

Acq: 01 Mar 2023 19:55

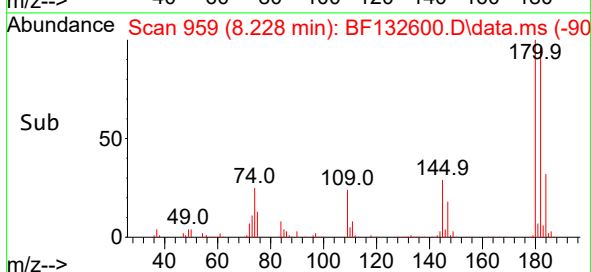
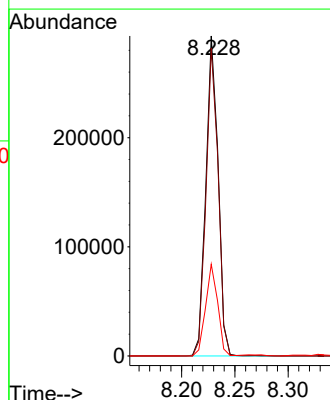
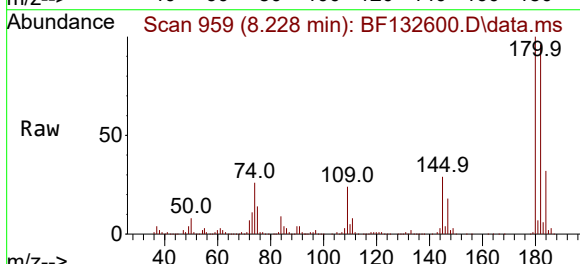
Tgt Ion:180 Resp: 235917

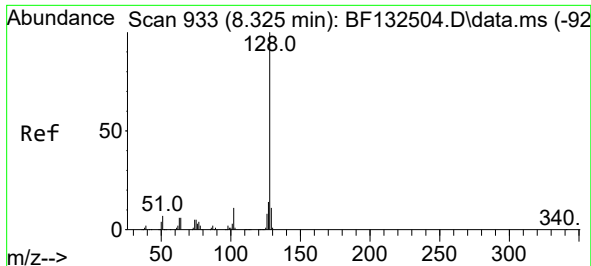
Ion Ratio Lower Upper

180 100

182 96.2 75.1 112.7

145 28.7 23.8 35.6

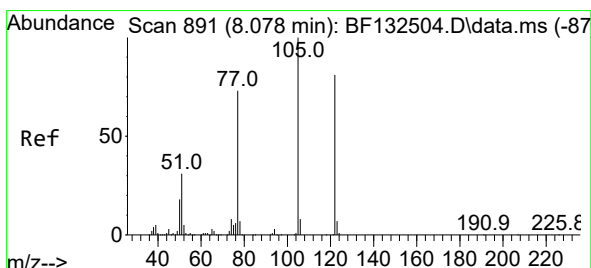
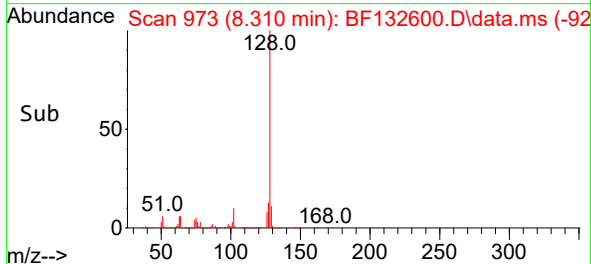
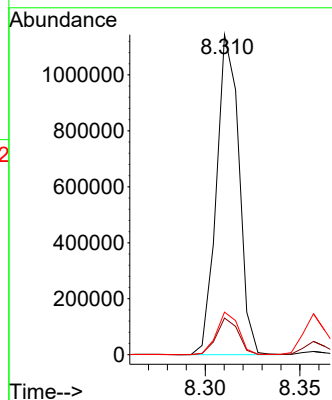
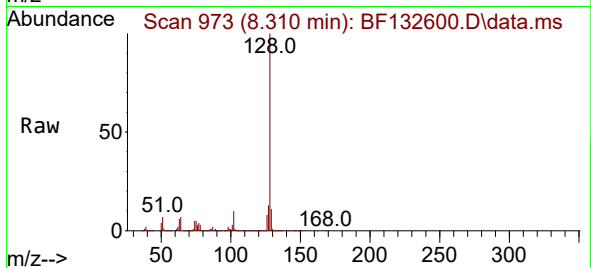




#31
Naphthalene
Concen: 27.271 ng
RT: 8.310 min Scan# 91
Delta R.T. -0.003 min
Lab File: BF132600.D
Acq: 01 Mar 2023 19:55

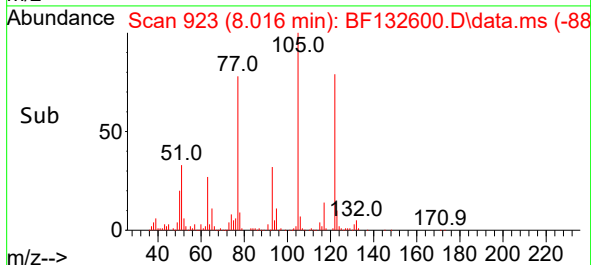
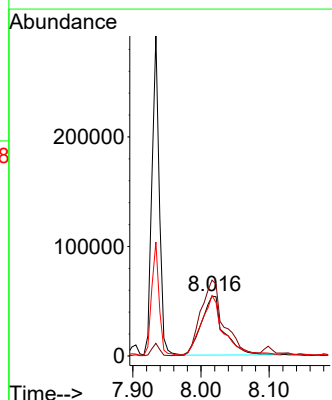
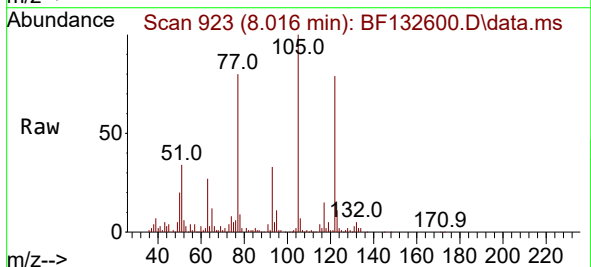
Instrument :
BNA_F
ClientSampleId :
HD-01-022723MSD

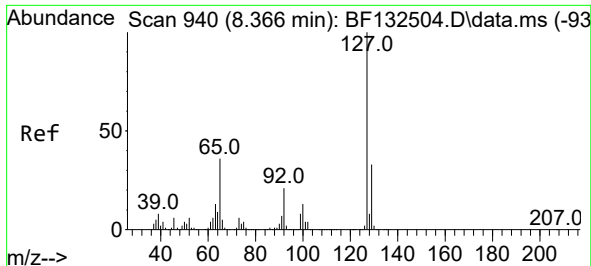
Tgt Ion:128 Resp: 945585
Ion Ratio Lower Upper
128 100
129 11.5 9.1 13.7
127 13.3 11.0 16.6



#32
Benzoic acid
Concen: 17.197 ng
RT: 8.016 min Scan# 923
Delta R.T. -0.050 min
Lab File: BF132600.D
Acq: 01 Mar 2023 19:55

Tgt Ion:122 Resp: 121667
Ion Ratio Lower Upper
122 100
105 126.6 102.6 142.6
77 100.7 70.2 110.2

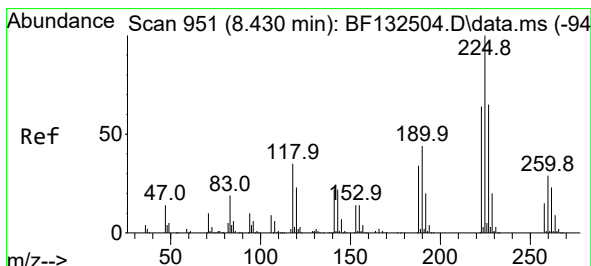
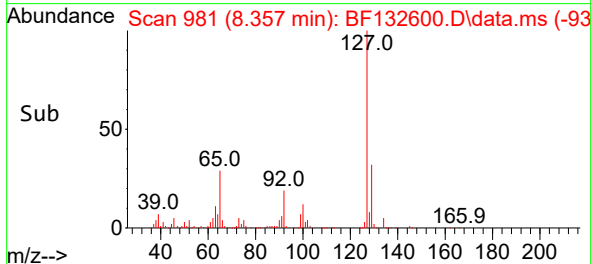
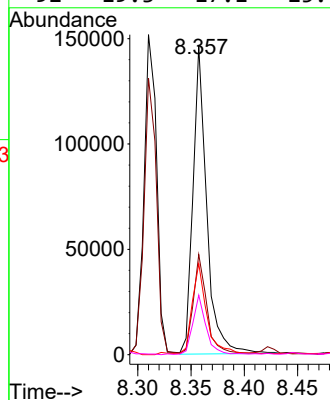
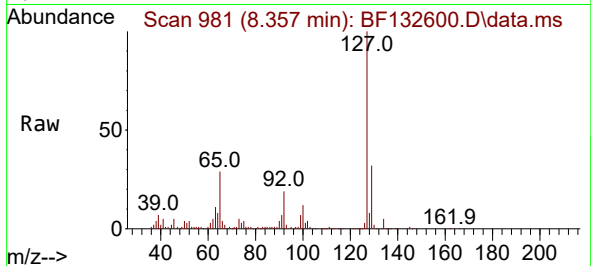




#33
4-Chloroaniline
Concen: 8.850 ng
RT: 8.357 min Scan# 91
Delta R.T. -0.003 min
Lab File: BF132600.D
Acq: 01 Mar 2023 19:55

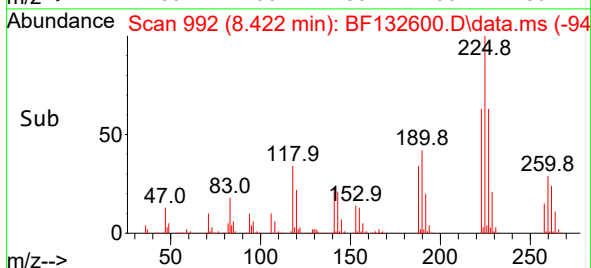
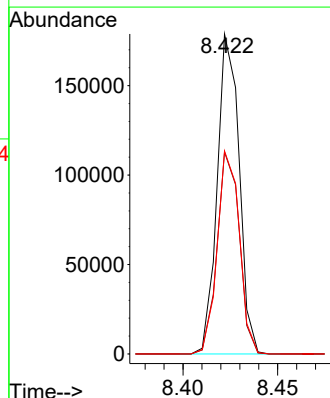
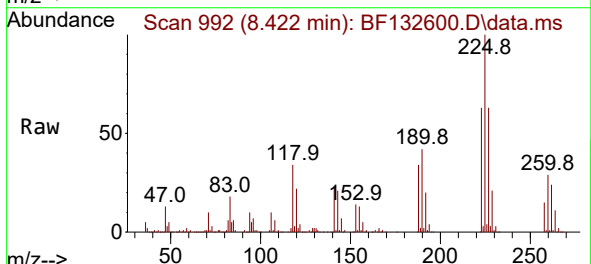
Instrument :
BNA_F
ClientSampleId :
HD-01-022723MSD

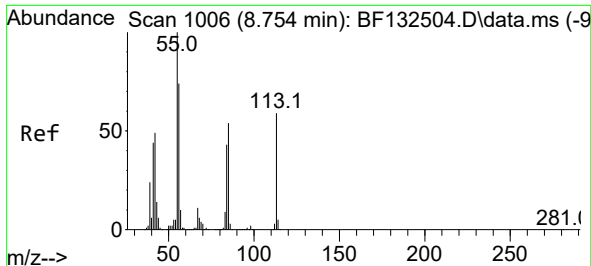
Tgt Ion:	127	Resp:	131493
Ion Ratio	Lower	Upper	
127	100		
129	32.4	26.4	39.6
65	29.5	28.8	43.2
92	19.3	17.1	25.7



#34
Hexachlorobutadiene
Concen: 19.748 ng
RT: 8.422 min Scan# 992
Delta R.T. -0.003 min
Lab File: BF132600.D
Acq: 01 Mar 2023 19:55

Tgt Ion:	225	Resp:	144117
Ion Ratio	Lower	Upper	
225	100		
223	63.1	51.0	76.4
227	63.4	51.7	77.5

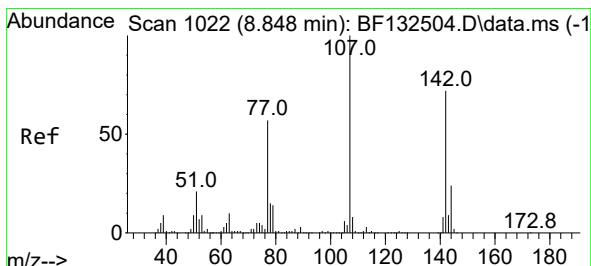
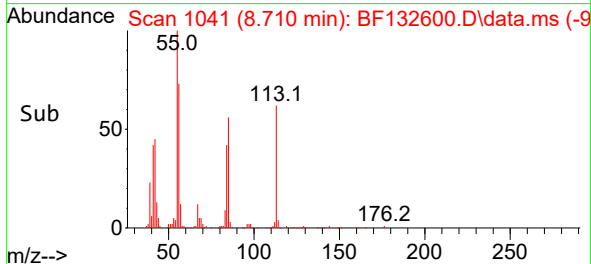
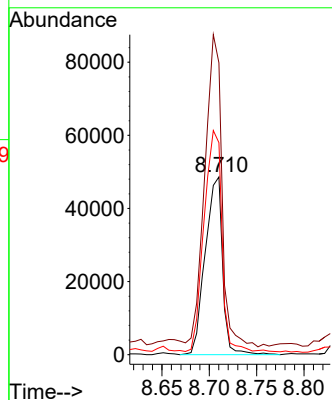
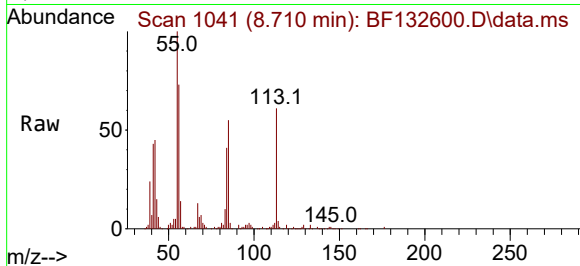




#35
 Caprolactam
 Concen: 17.782 ng
 RT: 8.710 min Scan# 1041
 Delta R.T. -0.032 min
 Lab File: BF132600.D
 Acq: 01 Mar 2023 19:55

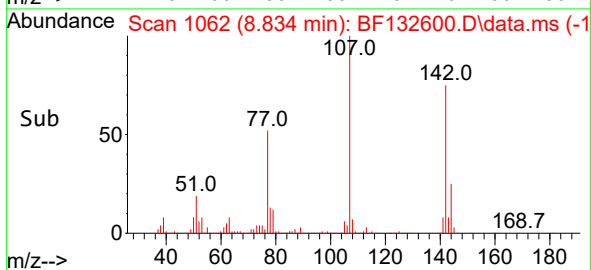
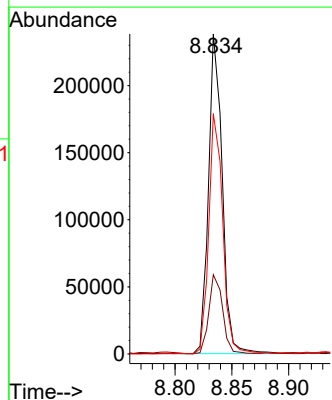
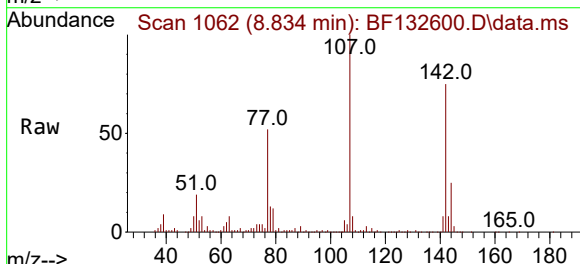
Instrument :
 BNA_F
 ClientSampleId :
 HD-01-022723MSD

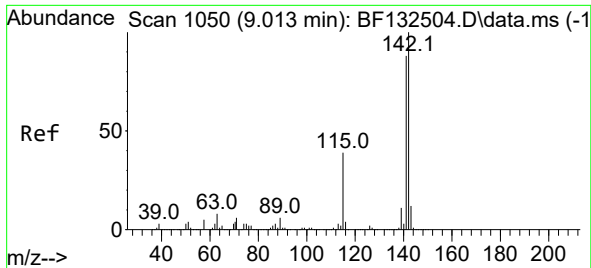
Tgt Ion:113 Resp: 62000
 Ion Ratio Lower Upper
 113 100
 55 164.2 149.4 189.4
 56 119.2 105.0 145.0



#36
 4-Chloro-3-methylphenol
 Concen: 17.199 ng
 RT: 8.834 min Scan# 1062
 Delta R.T. -0.009 min
 Lab File: BF132600.D
 Acq: 01 Mar 2023 19:55

Tgt Ion:107 Resp: 199759
 Ion Ratio Lower Upper
 107 100
 144 24.8 18.9 28.3
 142 75.1 57.9 86.9

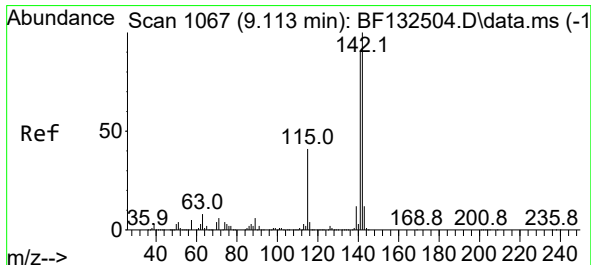
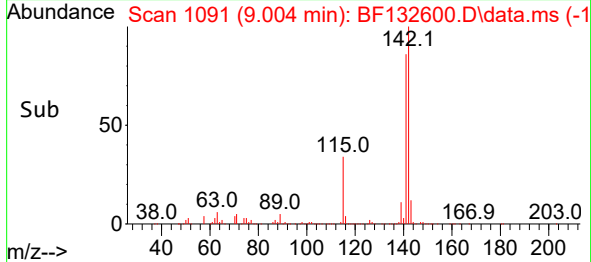
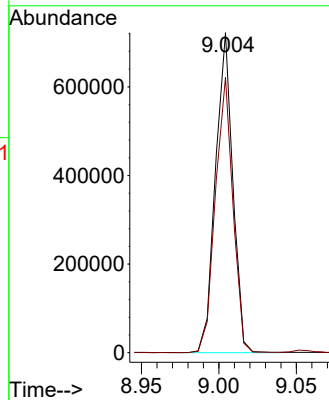
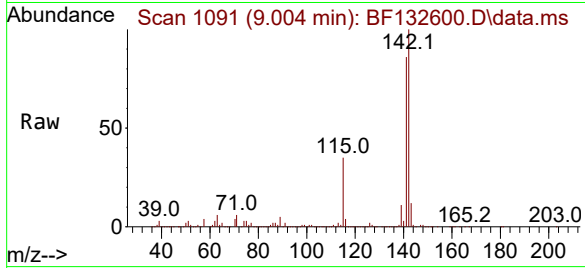




#37
2-Methylnaphthalene
Concen: 23.766 ng
RT: 9.004 min Scan# 1108
Delta R.T. -0.003 min
Lab File: BF132600.D
Acq: 01 Mar 2023 19:55

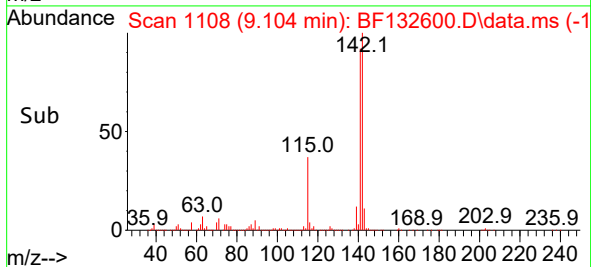
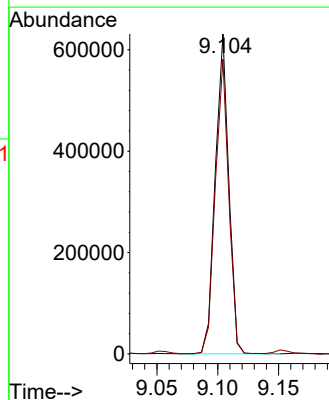
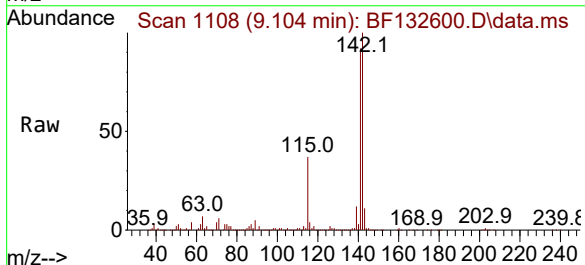
Instrument :
BNA_F
ClientSampleId :
HD-01-022723MSD

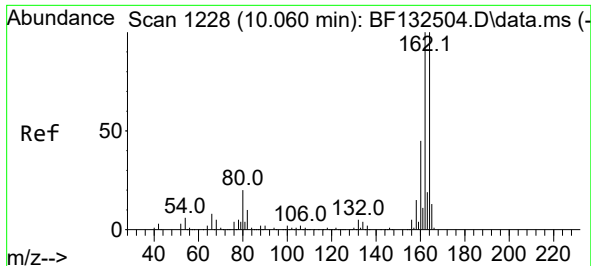
Tgt Ion:142 Resp: 561596
Ion Ratio Lower Upper
142 100
141 86.0 70.2 105.2



#38
1-Methylnaphthalene
Concen: 21.988 ng
RT: 9.104 min Scan# 1108
Delta R.T. -0.003 min
Lab File: BF132600.D
Acq: 01 Mar 2023 19:55

Tgt Ion:142 Resp: 485567
Ion Ratio Lower Upper
142 100
141 92.1 73.0 109.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.051 min Scan# 1119

Delta R.T. -0.003 min

Lab File: BF132600.D

Acq: 01 Mar 2023 19:55

Instrument :

BNA_F

ClientSampleId :

HD-01-022723MSD

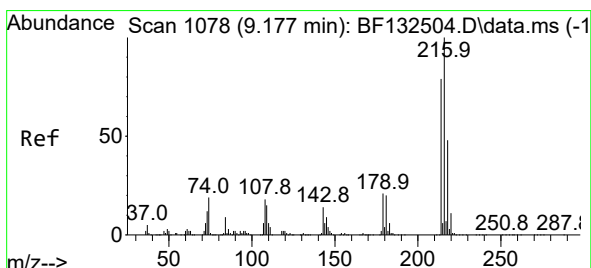
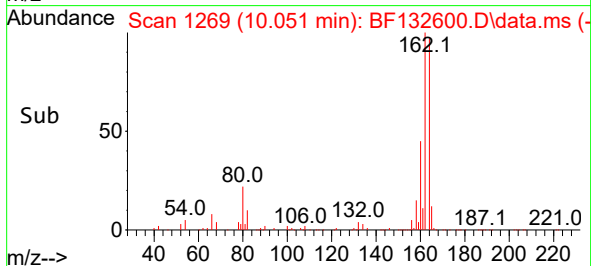
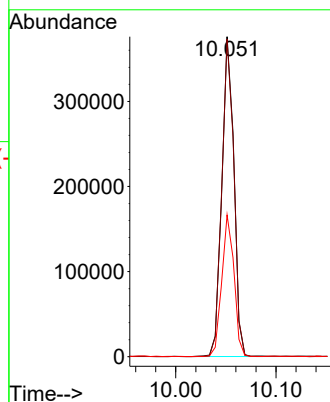
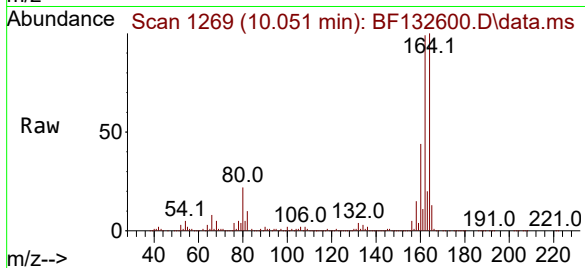
Tgt Ion:164 Resp: 313168

Ion Ratio Lower Upper

164 100

162 99.3 79.8 119.8

160 44.3 35.8 53.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 21.304 ng

RT: 9.169 min Scan# 1119

Delta R.T. -0.003 min

Lab File: BF132600.D

Acq: 01 Mar 2023 19:55

Tgt Ion:216 Resp: 218285

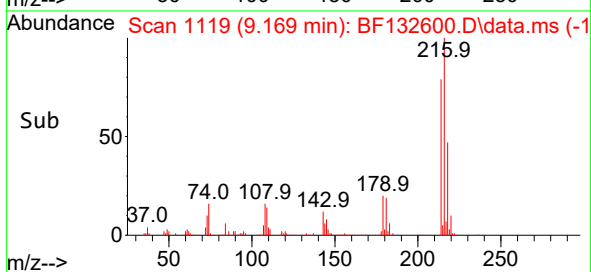
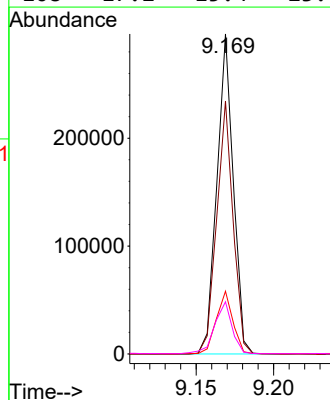
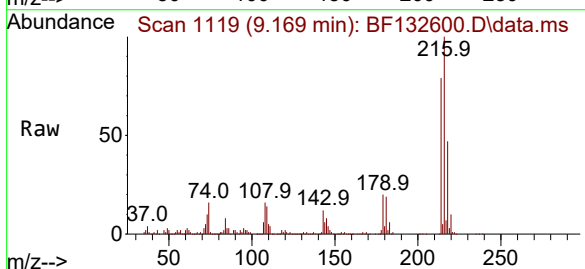
Ion Ratio Lower Upper

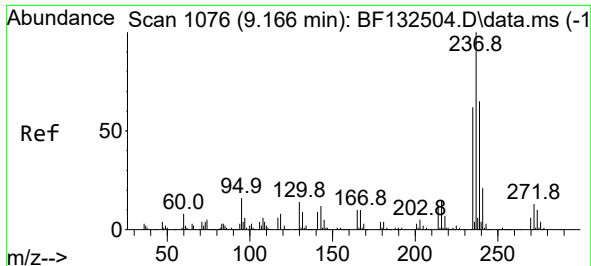
216 100

214 78.8 63.0 94.6

179 19.7 16.6 24.8

108 17.2 15.4 23.0

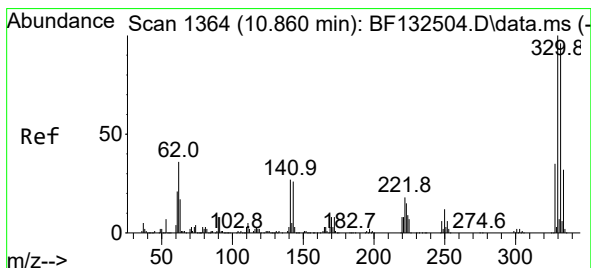
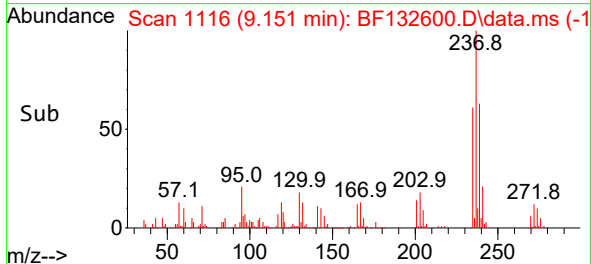
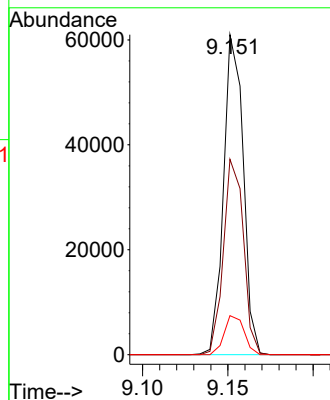
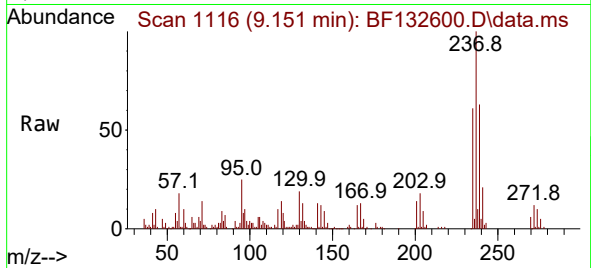




#41
Hexachlorocyclopentadiene
Concen: 8.813 ng
RT: 9.151 min Scan# 1116
Delta R.T. -0.003 min
Lab File: BF132600.D
Acq: 01 Mar 2023 19:55

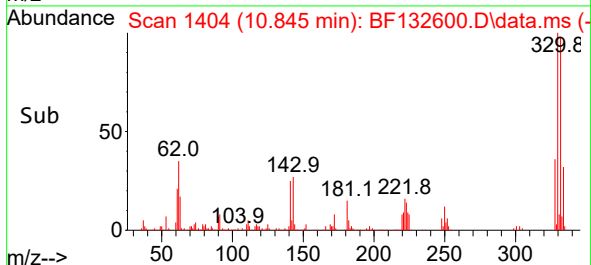
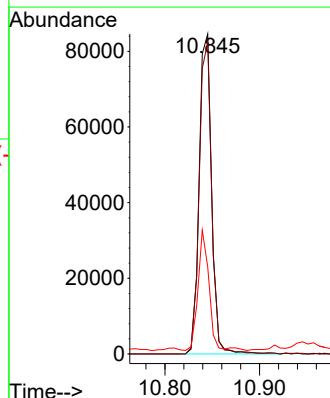
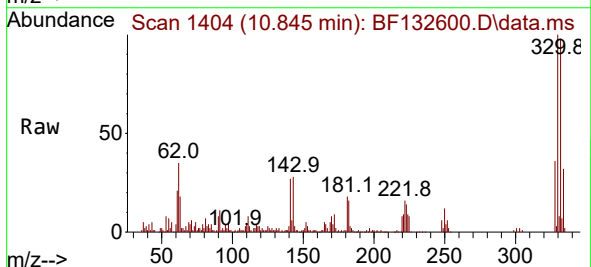
Instrument :
BNA_F
ClientSampleId :
HD-01-022723MSD

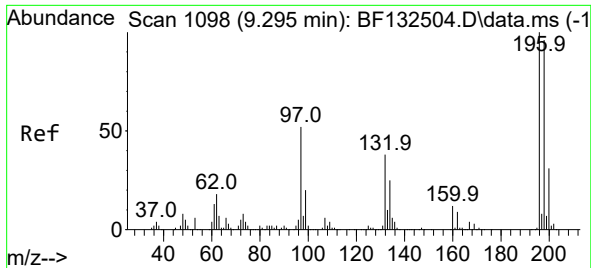
Tgt Ion:237 Resp: 48977
Ion Ratio Lower Upper
237 100
235 61.0 42.4 82.4
272 12.2 0.0 32.7



#42
2,4,6-Tribromophenol
Concen: 23.006 ng
RT: 10.845 min Scan# 1404
Delta R.T. -0.003 min
Lab File: BF132600.D
Acq: 01 Mar 2023 19:55

Tgt Ion:330 Resp: 77809
Ion Ratio Lower Upper
330 100
332 97.1 76.2 114.4
141 32.6 28.4 42.6

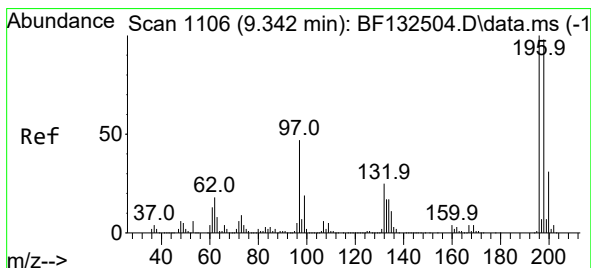
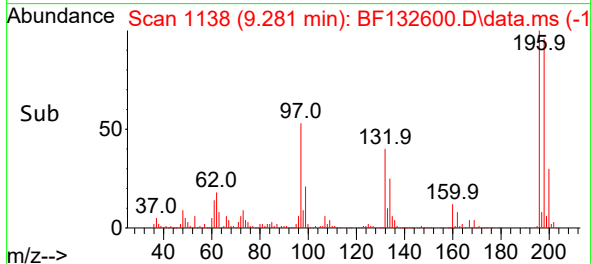
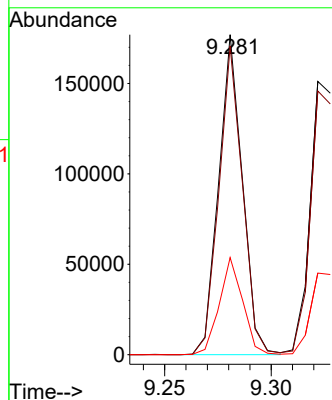
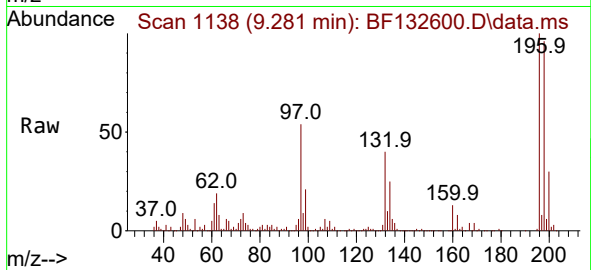




#43
 2,4,6-Trichlorophenol
 Concen: 19.715 ng
 RT: 9.281 min Scan# 1138
 Delta R.T. -0.003 min
 Lab File: BF132600.D
 Acq: 01 Mar 2023 19:55

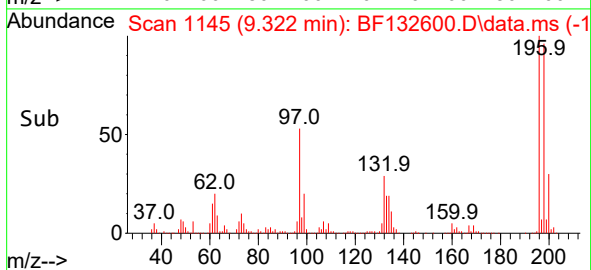
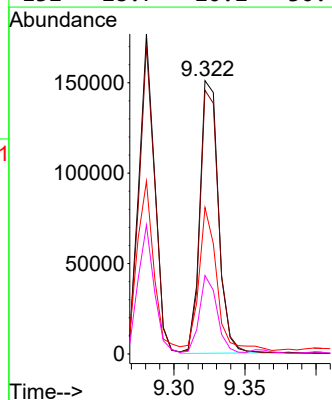
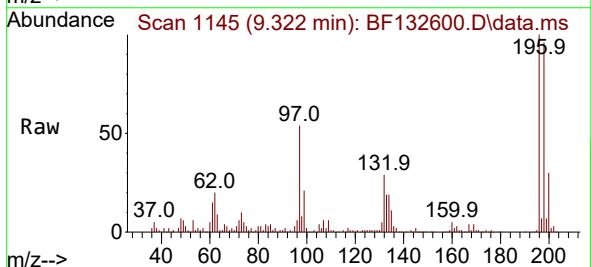
Instrument :
 BNA_F
 ClientSampleId :
 HD-01-022723MSD

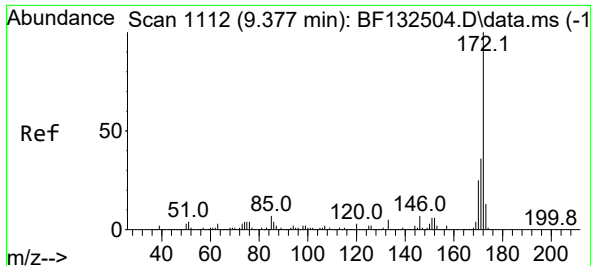
Tgt Ion:196 Resp: 136899
 Ion Ratio Lower Upper
 196 100
 198 96.5 77.1 115.7
 200 30.4 25.0 37.4



#44
 2,4,5-Trichlorophenol
 Concen: 17.002 ng
 RT: 9.322 min Scan# 1145
 Delta R.T. -0.003 min
 Lab File: BF132600.D
 Acq: 01 Mar 2023 19:55

Tgt Ion:196 Resp: 137790
 Ion Ratio Lower Upper
 196 100
 198 96.5 78.3 117.5
 97 53.6 38.1 57.1
 132 28.7 20.2 30.4

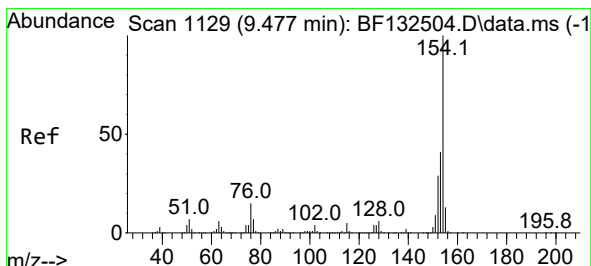
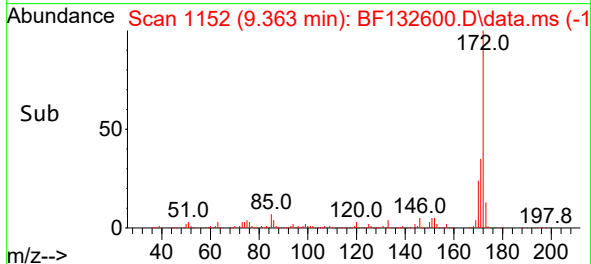
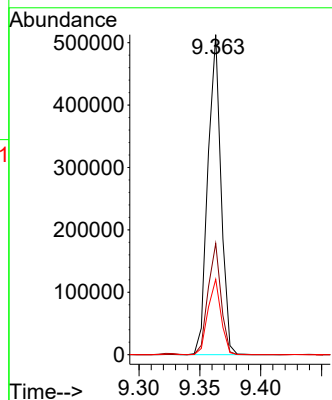
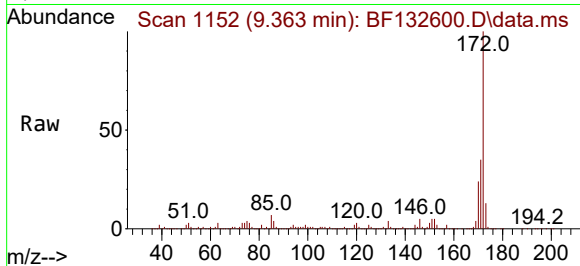




#45
2-Fluorobiphenyl
Concen: 18.641 ng
RT: 9.363 min Scan# 1112
Delta R.T. -0.009 min
Lab File: BF132600.D
Acq: 01 Mar 2023 19:55

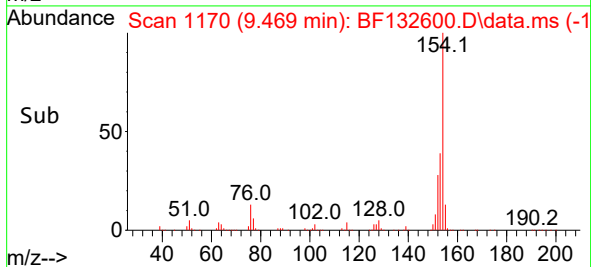
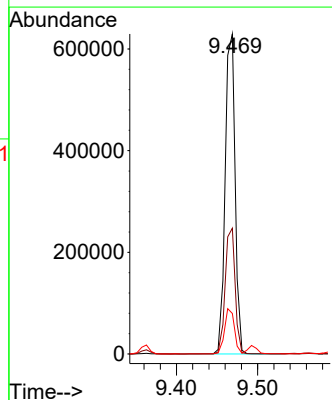
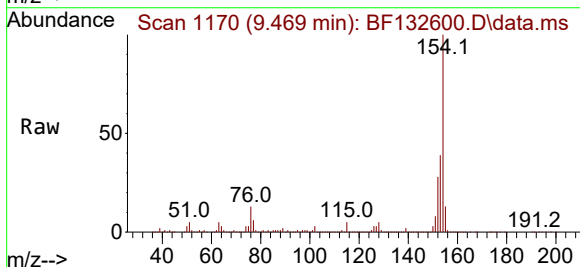
Instrument :
BNA_F
ClientSampleId :
HD-01-022723MSD

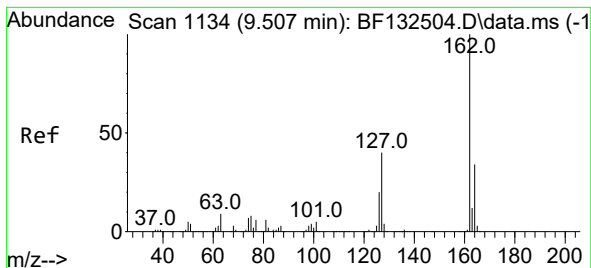
Tgt Ion:172 Resp: 383396
Ion Ratio Lower Upper
172 100
171 34.7 28.8 43.2
170 23.6 19.7 29.5



#46
1,1'-Biphenyl
Concen: 22.828 ng
RT: 9.469 min Scan# 1170
Delta R.T. -0.003 min
Lab File: BF132600.D
Acq: 01 Mar 2023 19:55

Tgt Ion:154 Resp: 541086
Ion Ratio Lower Upper
154 100
153 39.3 20.9 60.9
76 12.7 0.0 34.7





#47

2-Chloronaphthalene

Concen: 21.041 ng

RT: 9.492 min Scan# 1114

Delta R.T. -0.009 min

Lab File: BF132600.D

Acq: 01 Mar 2023 19:55

Instrument :

BNA_F

ClientSampleId :

HD-01-022723MSD

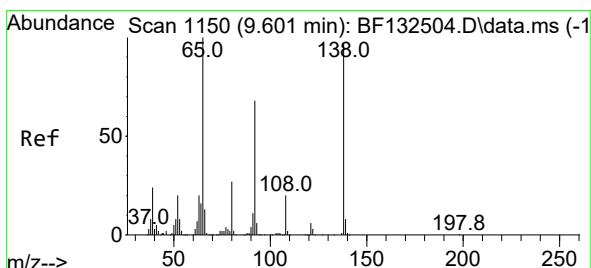
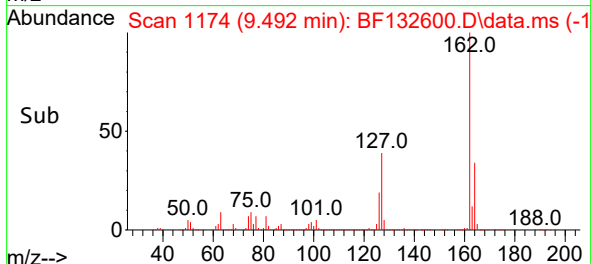
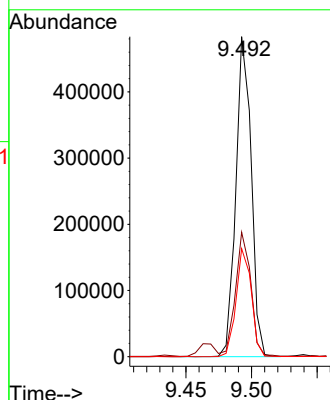
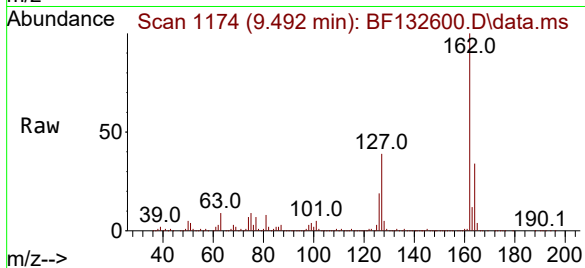
Tgt Ion:162 Resp: 395422

Ion Ratio Lower Upper

162 100

127 38.9 32.3 48.5

164 33.7 26.9 40.3



#48

2-Nitroaniline

Concen: 17.114 ng

RT: 9.587 min Scan# 1190

Delta R.T. -0.009 min

Lab File: BF132600.D

Acq: 01 Mar 2023 19:55

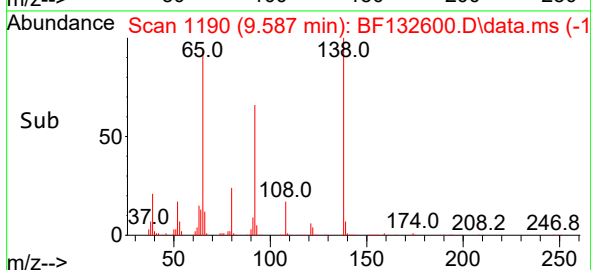
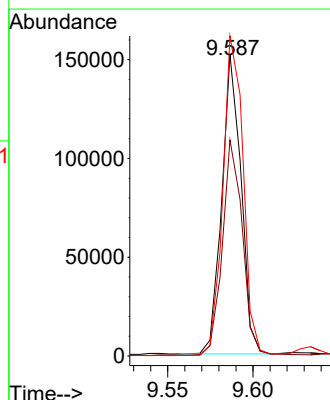
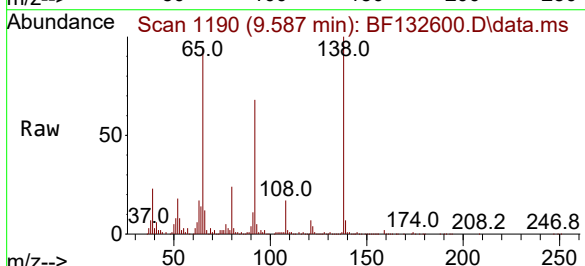
Tgt Ion: 65 Resp: 118456

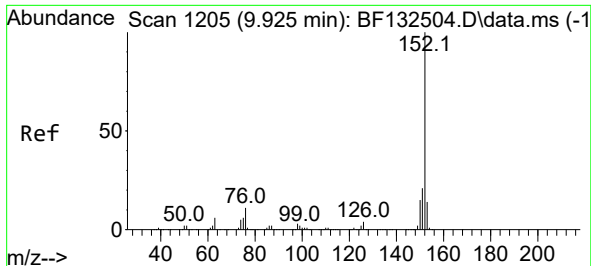
Ion Ratio Lower Upper

65 100

92 71.6 54.5 81.7

138 106.1 77.2 115.8





#49

Acenaphthylene

Concen: 21.148 ng

RT: 9.910 min Scan# 1205

Delta R.T. -0.009 min

Lab File: BF132600.D

Acq: 01 Mar 2023 19:55

Instrument :

BNA_F

ClientSampleId :

HD-01-022723MSD

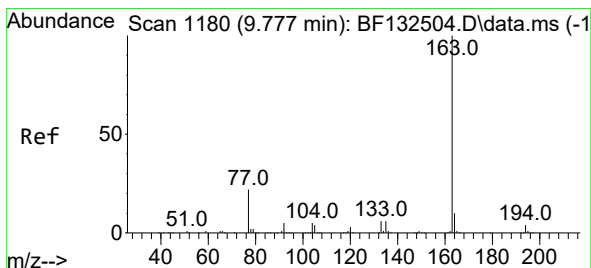
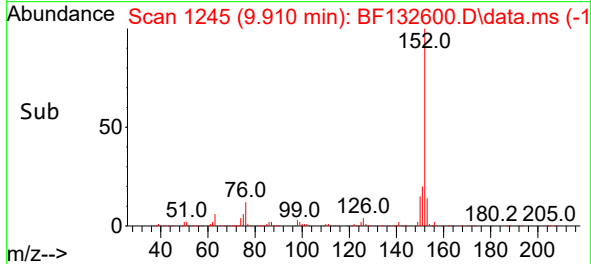
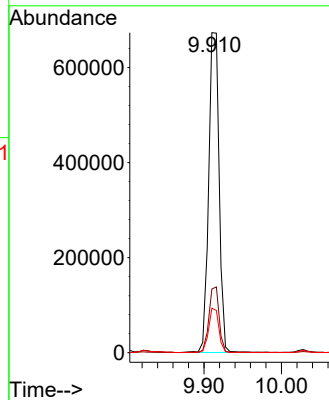
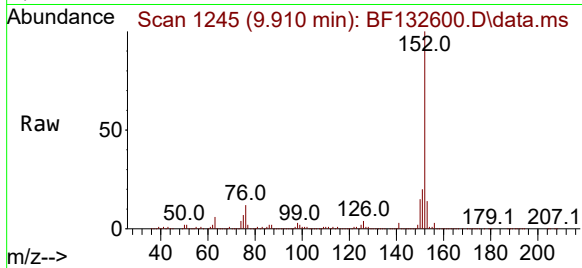
Tgt Ion:152 Resp: 632533

Ion Ratio Lower Upper

152 100

151 19.9 16.4 24.6

153 13.9 11.0 16.6



#50

Dimethylphthalate

Concen: 20.201 ng

RT: 9.757 min Scan# 1219

Delta R.T. -0.014 min

Lab File: BF132600.D

Acq: 01 Mar 2023 19:55

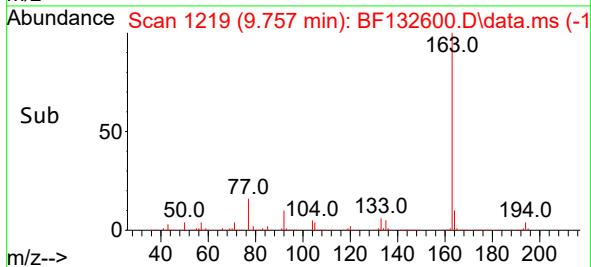
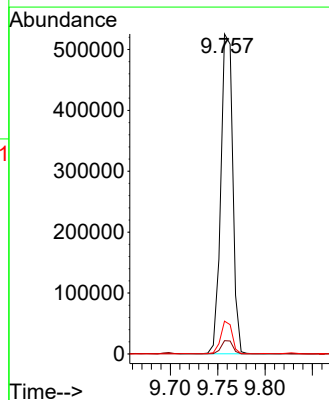
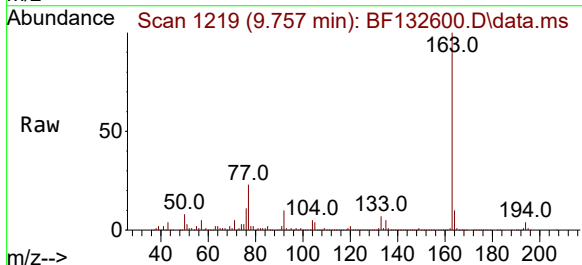
Tgt Ion:163 Resp: 460641

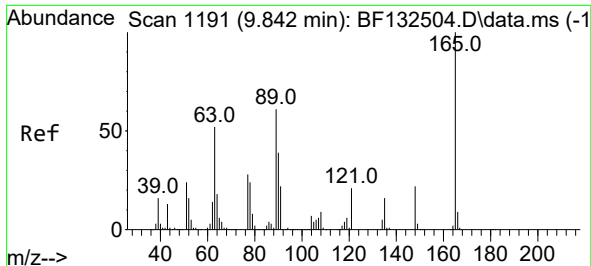
Ion Ratio Lower Upper

163 100

194 4.2 3.3 4.9

164 10.2 8.3 12.5

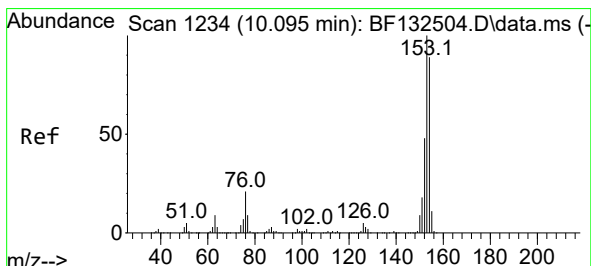
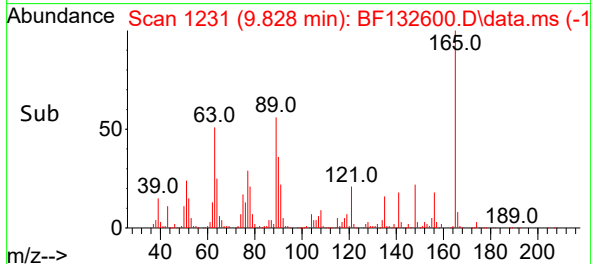
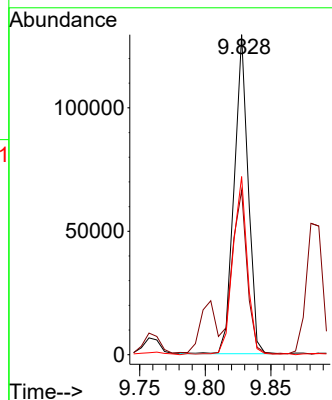
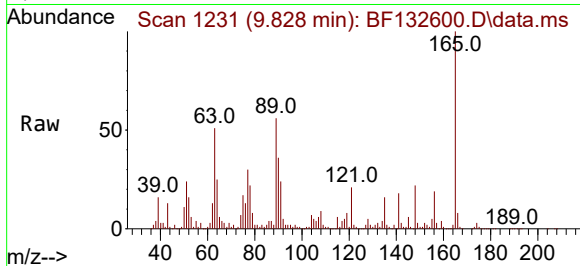




#51
2,6-Dinitrotoluene
Concen: 18.568 ng
RT: 9.828 min Scan# 1191
Delta R.T. -0.009 min
Lab File: BF132600.D
Acq: 01 Mar 2023 19:55

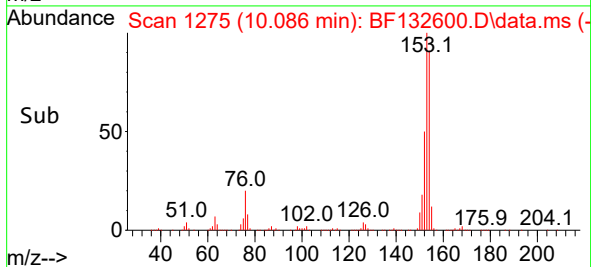
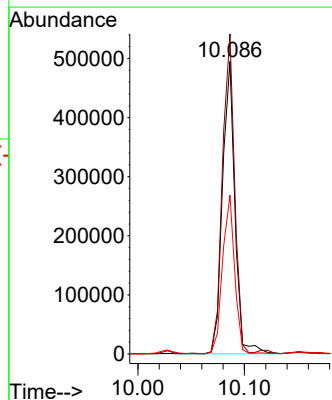
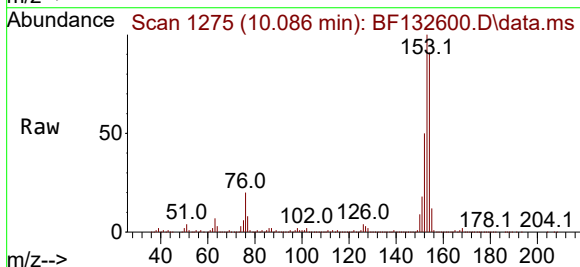
Instrument :
BNA_F
ClientSampleId :
HD-01-022723MSD

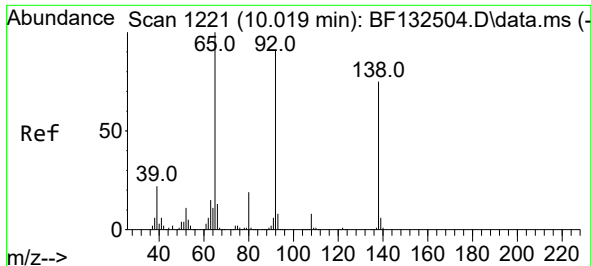
Tgt Ion:165 Resp: 96426
Ion Ratio Lower Upper
165 100
63 51.4 47.3 70.9
89 55.6 48.9 73.3



#52
Acenaphthene
Concen: 21.091 ng
RT: 10.086 min Scan# 1275
Delta R.T. -0.003 min
Lab File: BF132600.D
Acq: 01 Mar 2023 19:55

Tgt Ion:154 Resp: 400558
Ion Ratio Lower Upper
154 100
153 109.4 89.8 134.8
152 54.2 43.3 64.9

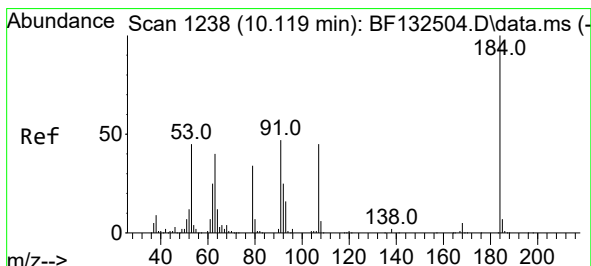
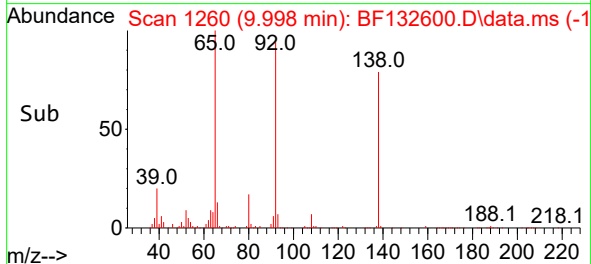
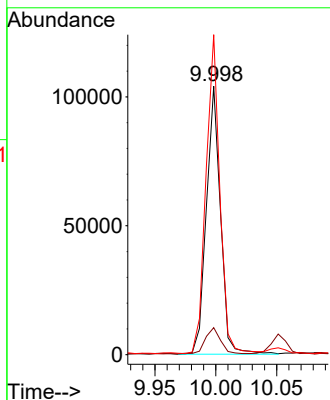
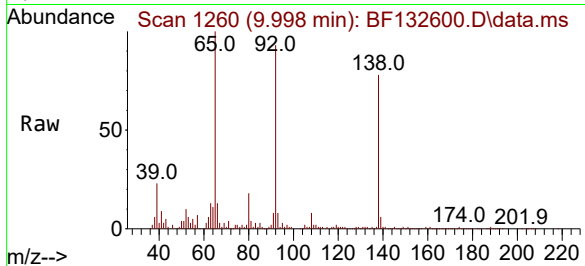




#53
3-Nitroaniline
Concen: 14.450 ng
RT: 9.998 min Scan# 1260
Delta R.T. -0.009 min
Lab File: BF132600.D
Acq: 01 Mar 2023 19:55

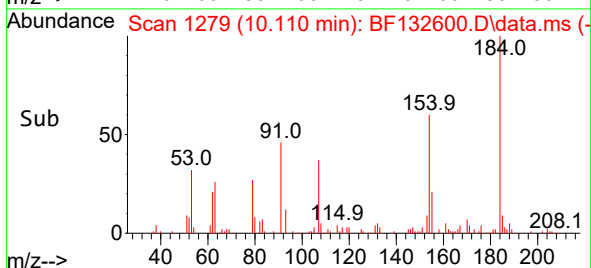
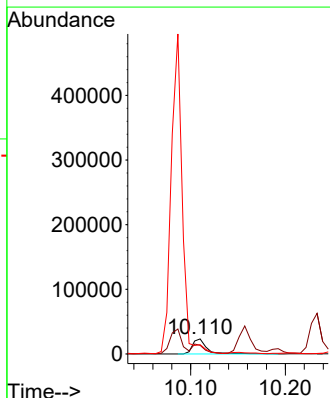
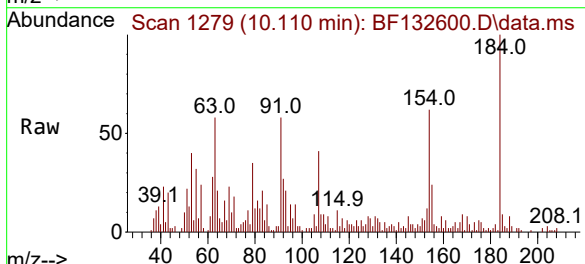
Instrument :
BNA_F
ClientSampleId :
HD-01-022723MSD

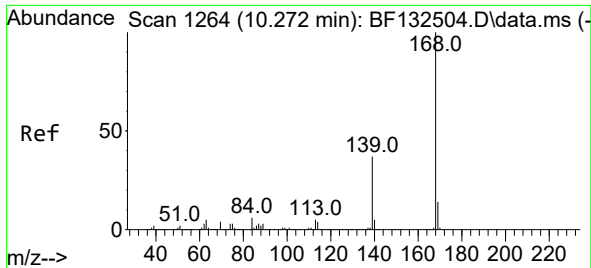
Tgt Ion:138 Resp: 83942
Ion Ratio Lower Upper
138 100
108 10.1 8.1 12.1
92 119.2 97.2 145.8



#54
2,4-Dinitrophenol
Concen: 9.228 ng
RT: 10.110 min Scan# 1279
Delta R.T. -0.003 min
Lab File: BF132600.D
Acq: 01 Mar 2023 19:55

Tgt Ion:184 Resp: 24731
Ion Ratio Lower Upper
184 100
63 57.7 51.4 77.2
154 61.6 48.3 72.5

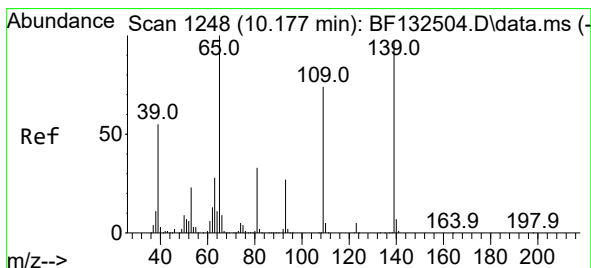
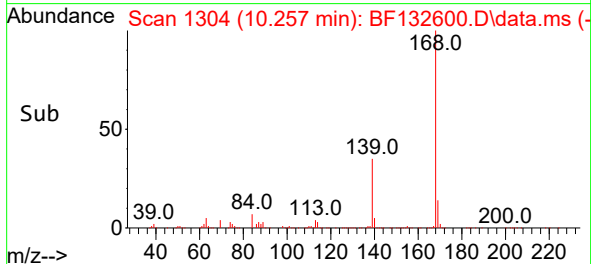
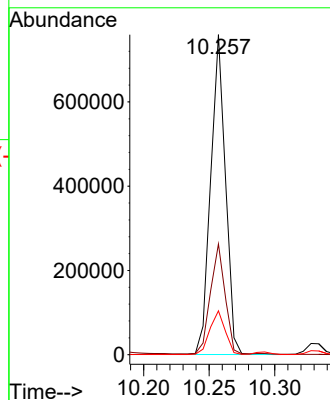
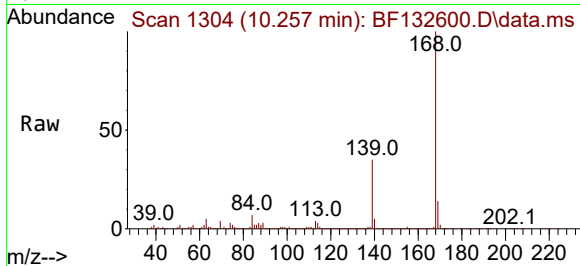




#55
Dibenzenofuran
Concen: 21.522 ng
RT: 10.257 min Scan# 11
Delta R.T. -0.003 min
Lab File: BF132600.D
Acq: 01 Mar 2023 19:55

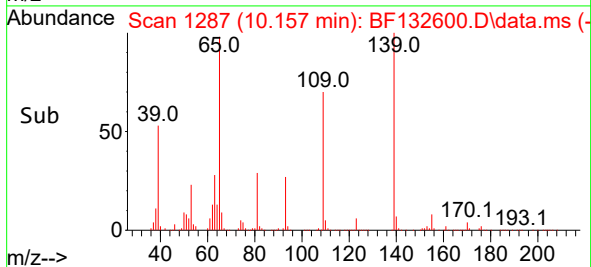
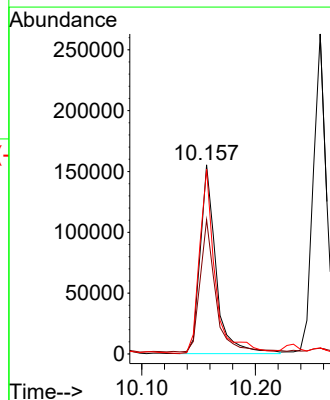
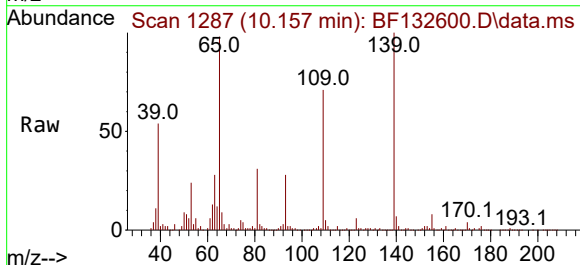
Instrument :
BNA_F
ClientSampleId :
HD-01-022723MSD

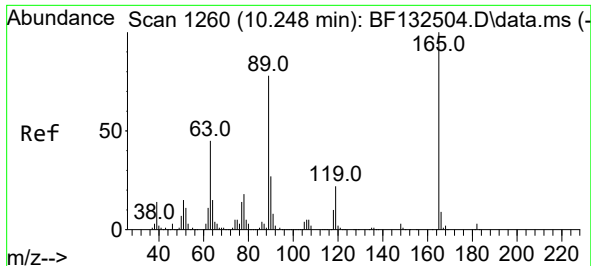
Tgt Ion:168 Resp: 595878
Ion Ratio Lower Upper
168 100
139 34.6 29.8 44.6
169 13.7 10.9 16.3



#56
4-Nitrophenol
Concen: 34.841 ng
RT: 10.157 min Scan# 1287
Delta R.T. -0.009 min
Lab File: BF132600.D
Acq: 01 Mar 2023 19:55

Tgt Ion:139 Resp: 150939
Ion Ratio Lower Upper
139 100
109 70.9 56.7 96.7
65 97.7 83.5 123.5

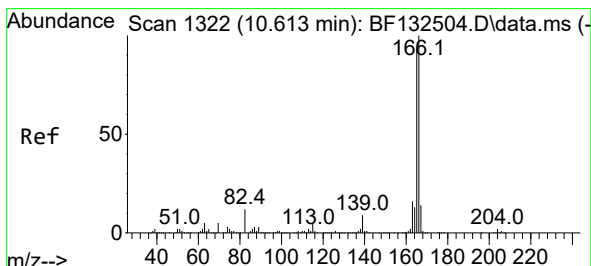
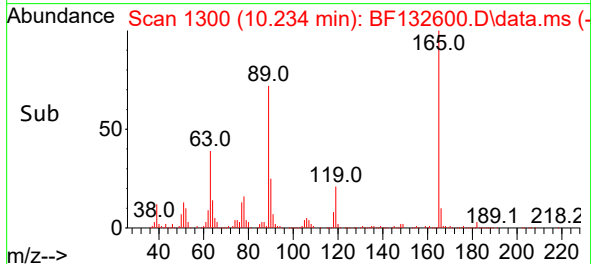
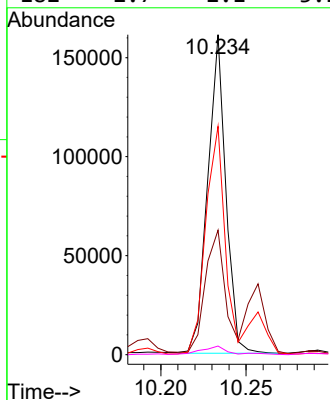
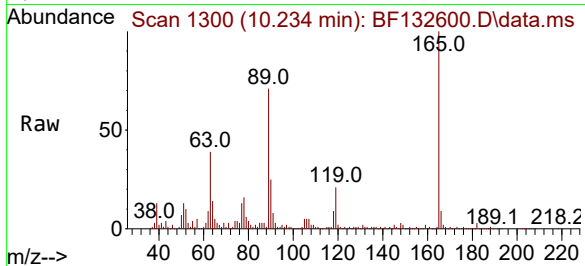




#57
2,4-Dinitrotoluene
Concen: 17.266 ng
RT: 10.234 min Scan# 11
Delta R.T. -0.009 min
Lab File: BF132600.D
Acq: 01 Mar 2023 19:55

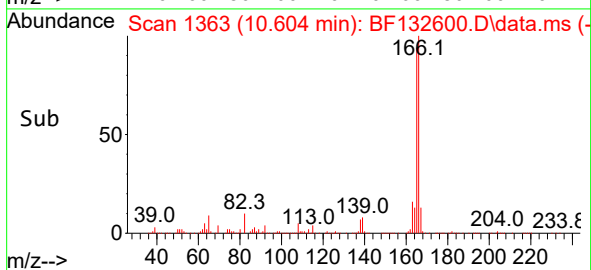
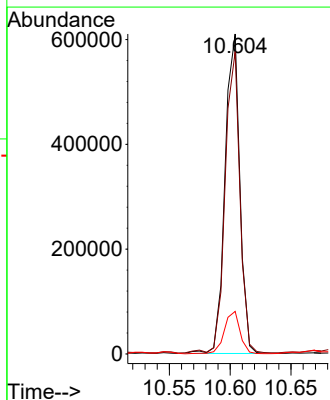
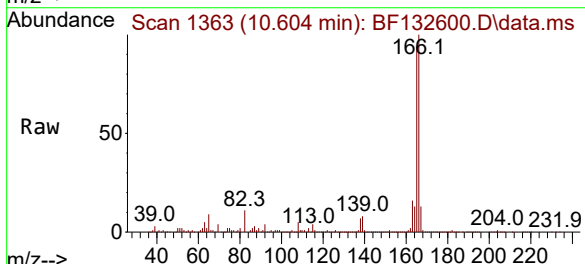
Instrument :
BNA_F
ClientSampleId :
HD-01-022723MSD

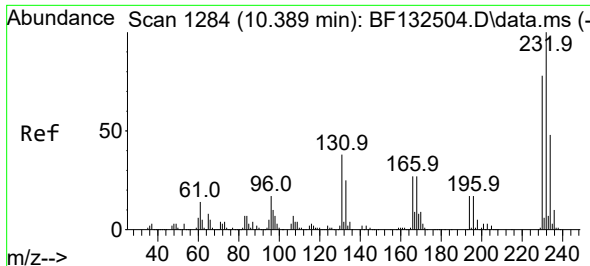
Tgt Ion:165 Resp: 119287
Ion Ratio Lower Upper
165 100
63 38.9 36.5 54.7
89 71.3 62.4 93.6
182 2.7 2.1 3.1



#58
Fluorene
Concen: 24.314 ng
RT: 10.604 min Scan# 1363
Delta R.T. -0.003 min
Lab File: BF132600.D
Acq: 01 Mar 2023 19:55

Tgt Ion:166 Resp: 514926
Ion Ratio Lower Upper
166 100
165 94.5 74.2 111.4
167 13.3 11.1 16.7

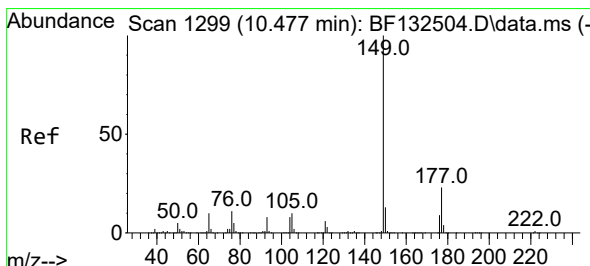
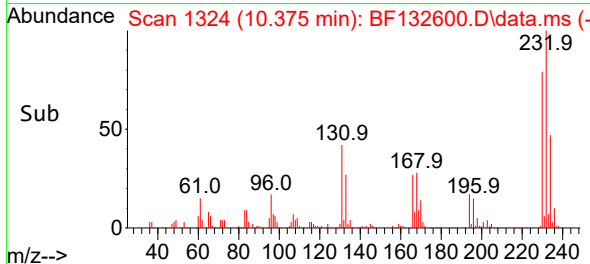
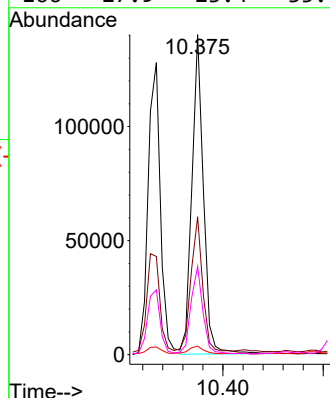
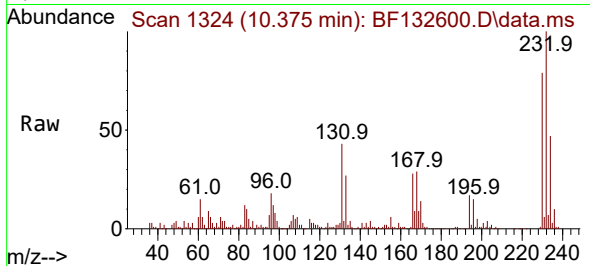




#59
2,3,4,6-Tetrachlorophenol
Concen: 18.562 ng
RT: 10.375 min Scan# 11
Delta R.T. -0.003 min
Lab File: BF132600.D
Acq: 01 Mar 2023 19:55

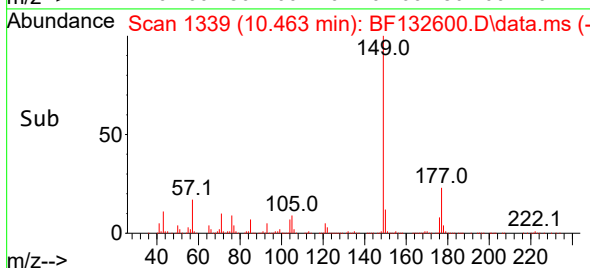
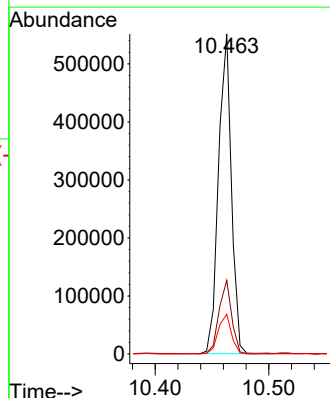
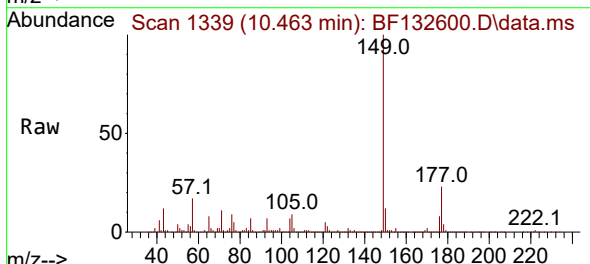
Instrument :
BNA_F
ClientSampleId :
HD-01-022723MSD

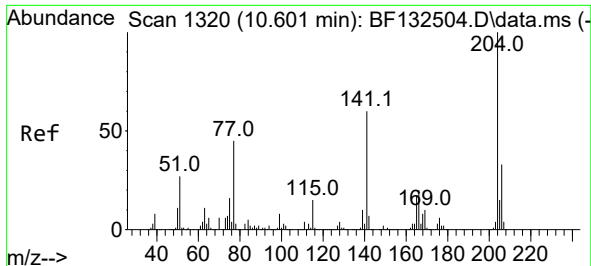
Tgt Ion:232 Resp: 111748
Ion Ratio Lower Upper
232 100
131 42.3 33.8 50.8
130 3.3 1.7 2.5#
166 27.9 23.4 35.0



#60
Diethylphthalate
Concen: 19.498 ng
RT: 10.463 min Scan# 1339
Delta R.T. -0.009 min
Lab File: BF132600.D
Acq: 01 Mar 2023 19:55

Tgt Ion:149 Resp: 434219
Ion Ratio Lower Upper
149 100
177 23.0 18.1 27.1
150 12.4 10.2 15.2

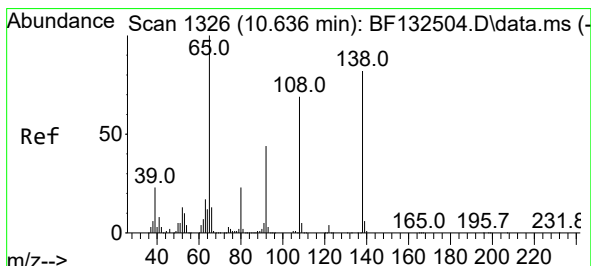
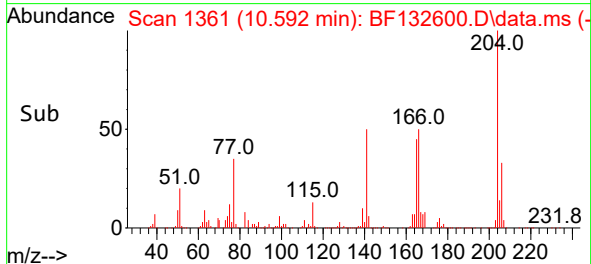
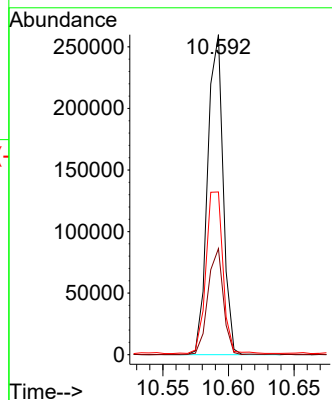
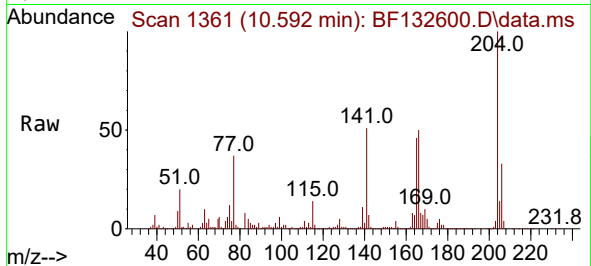




#61
4-Chlorophenyl-phenylether
Concen: 19.523 ng
RT: 10.592 min Scan# 11
Delta R.T. -0.003 min
Lab File: BF132600.D
Acq: 01 Mar 2023 19:55

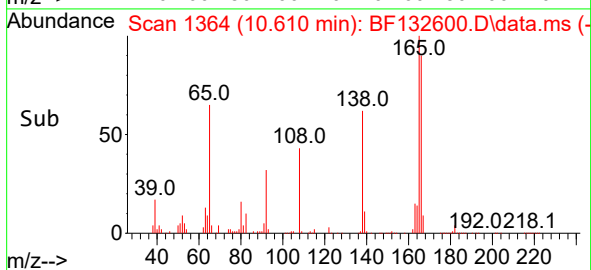
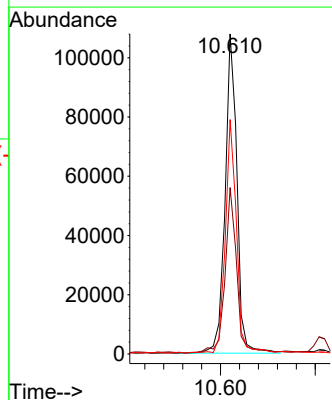
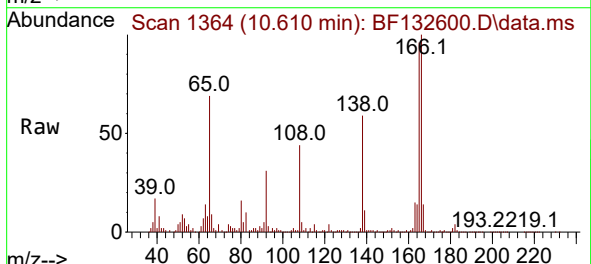
Instrument :
BNA_F
ClientSampleId :
HD-01-022723MSD

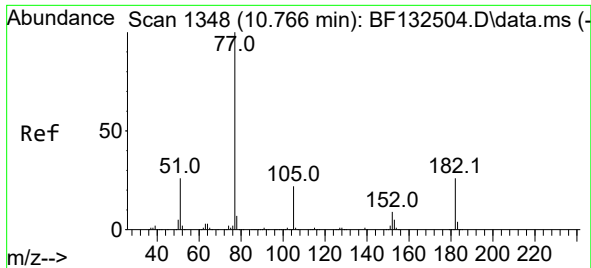
Tgt Ion:204 Resp: 214496
Ion Ratio Lower Upper
204 100
206 33.2 26.3 39.5
141 50.8 47.8 71.8



#62
4-Nitroaniline
Concen: 16.476 ng
RT: 10.610 min Scan# 1364
Delta R.T. -0.020 min
Lab File: BF132600.D
Acq: 01 Mar 2023 19:55

Tgt Ion:138 Resp: 93953
Ion Ratio Lower Upper
138 100
92 52.0 33.8 73.8
108 73.2 63.7 103.7

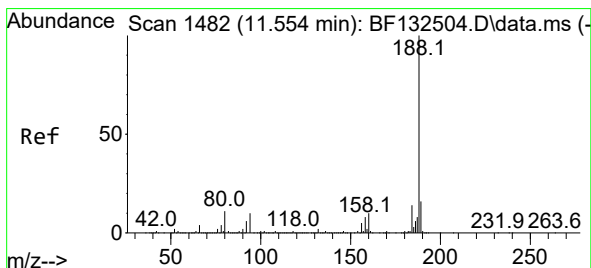
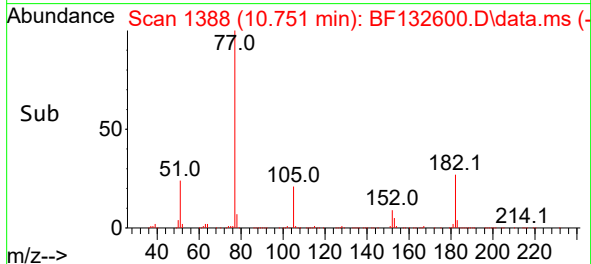
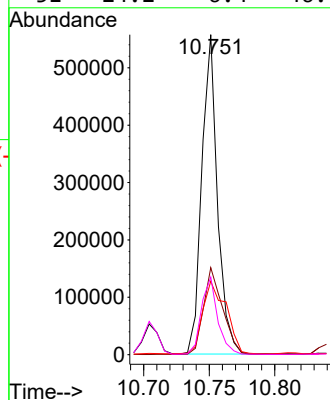
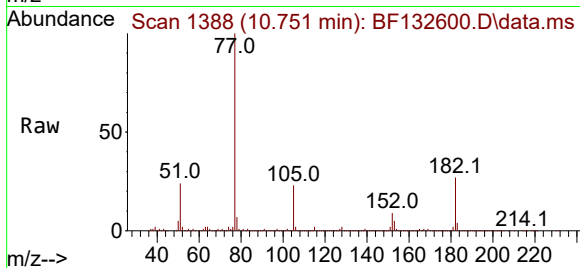




#63
Azobenzene
Concen: 19.664 ng
RT: 10.751 min Scan# 11
Delta R.T. -0.003 min
Lab File: BF132600.D
Acq: 01 Mar 2023 19:55

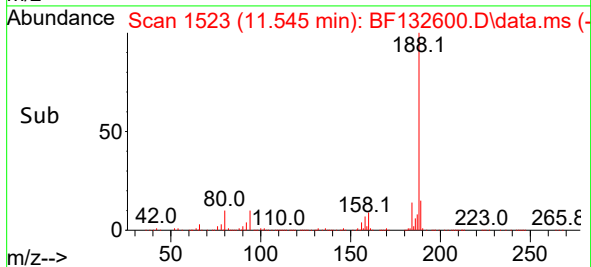
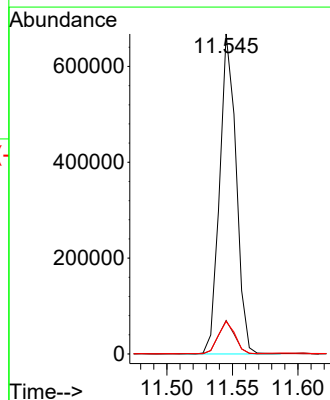
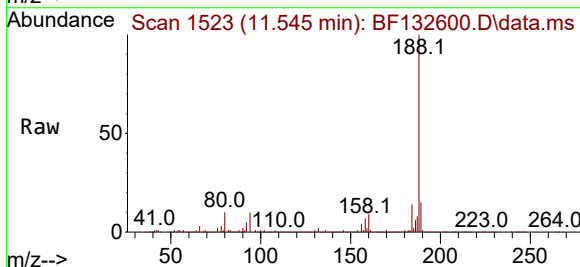
Instrument :
BNA_F
ClientSampleId :
HD-01-022723MSD

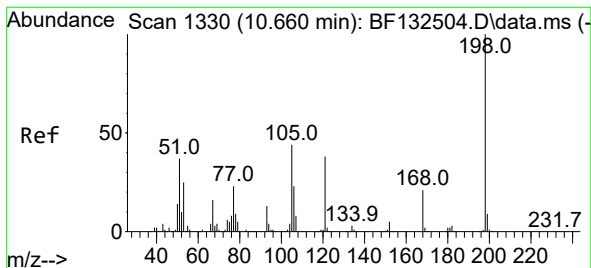
Tgt Ion: 77	Resp: 463792
Ion Ratio	Lower Upper
77 100	
182 27.2	5.5 45.5
105 22.9	1.8 41.8
51 24.2	6.4 46.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.545 min Scan# 1523
Delta R.T. -0.003 min
Lab File: BF132600.D
Acq: 01 Mar 2023 19:55

Tgt Ion:188	Resp: 585264		
Ion Ratio	Lower	Upper	
188 100			
94 10.5	8.3	12.5	
80 10.2	8.7	13.1	

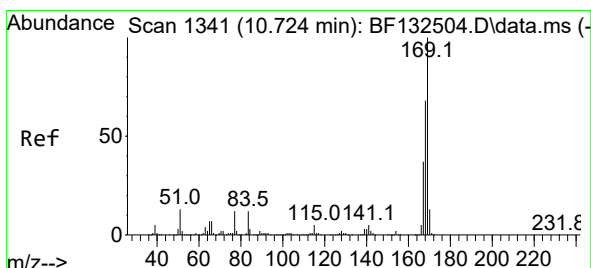
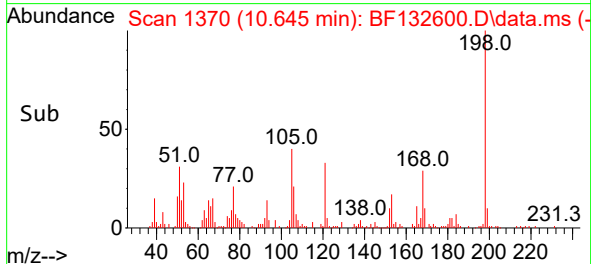
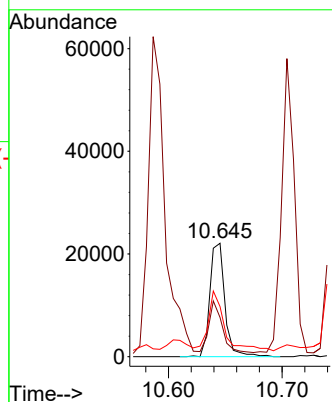
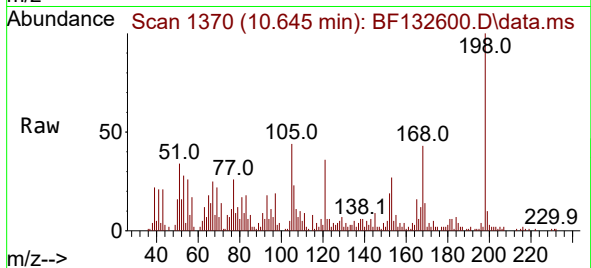




#65
4,6-Dinitro-2-methylphenol
Concen: 5.097 ng
RT: 10.645 min Scan# 11
Delta R.T. -0.009 min
Lab File: BF132600.D
Acq: 01 Mar 2023 19:55

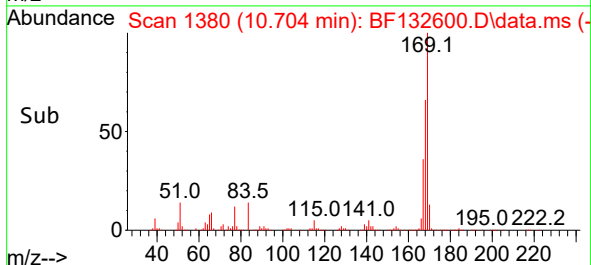
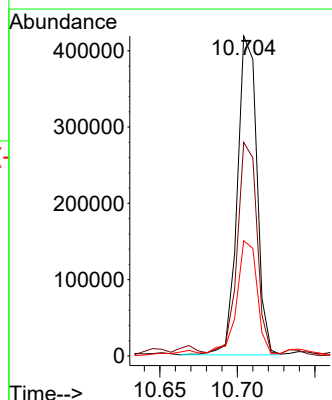
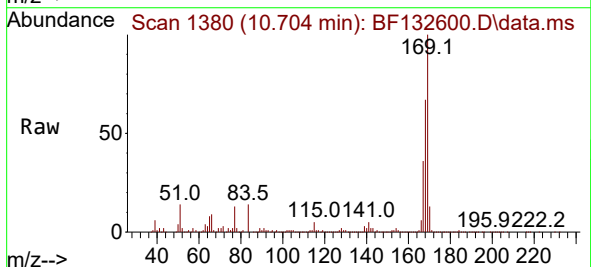
Instrument :
BNA_F
ClientSampleId :
HD-01-022723MSD

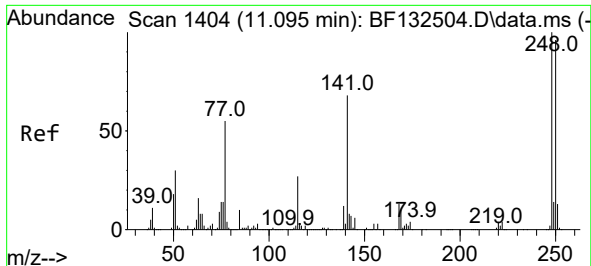
Tgt Ion:198 Resp: 20196
Ion Ratio Lower Upper
198 100
51 34.5 20.6 60.6
105 44.1 24.3 64.3



#66
n-Nitrosodiphenylamine
Concen: 20.130 ng
RT: 10.704 min Scan# 1380
Delta R.T. -0.009 min
Lab File: BF132600.D
Acq: 01 Mar 2023 19:55

Tgt Ion:169 Resp: 367296
Ion Ratio Lower Upper
169 100
168 66.8 54.2 81.4
167 36.0 29.6 44.4

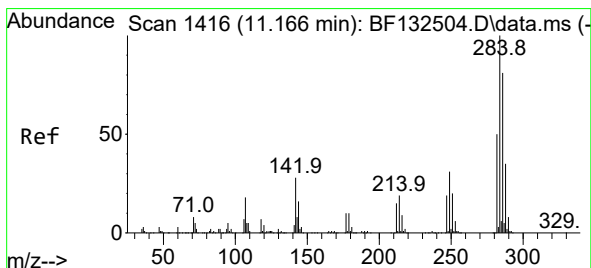
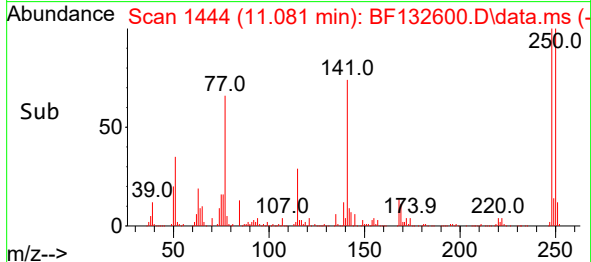
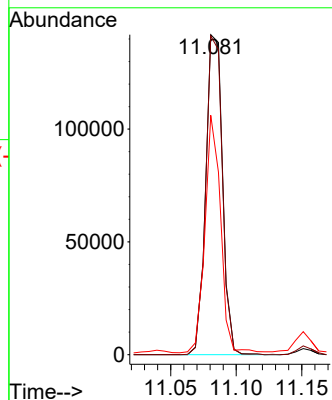
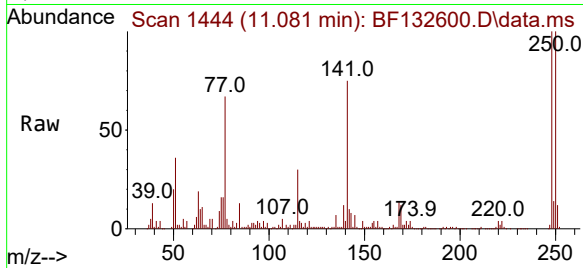




#67
4-Bromophenyl-phenylether
Concen: 19.158 ng
RT: 11.081 min Scan# 1444
Delta R.T. -0.009 min
Lab File: BF132600.D
Acq: 01 Mar 2023 19:55

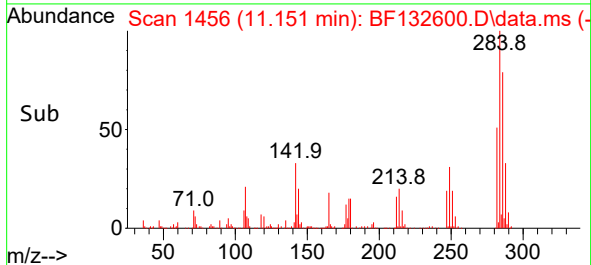
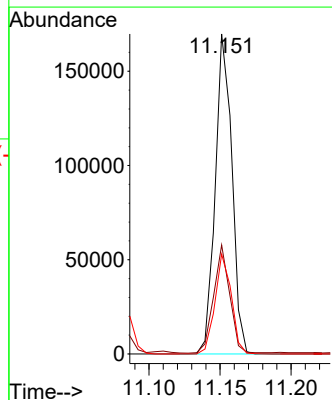
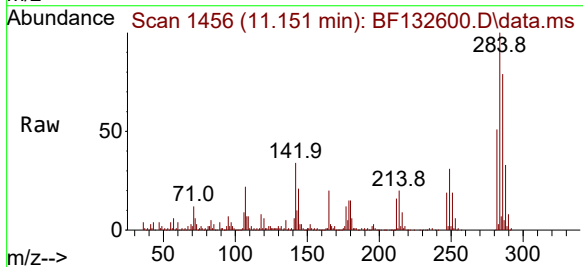
Instrument :
BNA_F
ClientSampleId :
HD-01-022723MSD

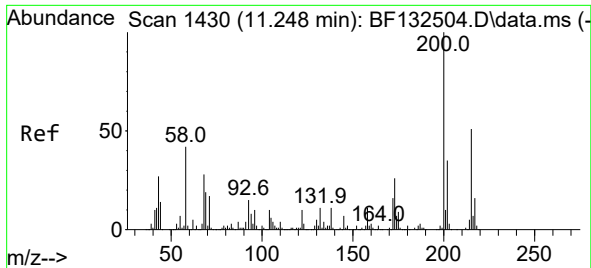
Tgt Ion:248 Resp: 126829
Ion Ratio Lower Upper
248 100
250 99.6 77.0 115.4
141 74.8 54.2 81.2



#68
Hexachlorobenzene
Concen: 19.888 ng
RT: 11.151 min Scan# 1456
Delta R.T. -0.003 min
Lab File: BF132600.D
Acq: 01 Mar 2023 19:55

Tgt Ion:284 Resp: 138544
Ion Ratio Lower Upper
284 100
142 34.0 22.2 33.4#
249 31.2 24.9 37.3

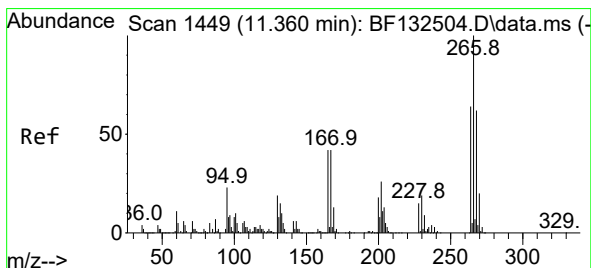
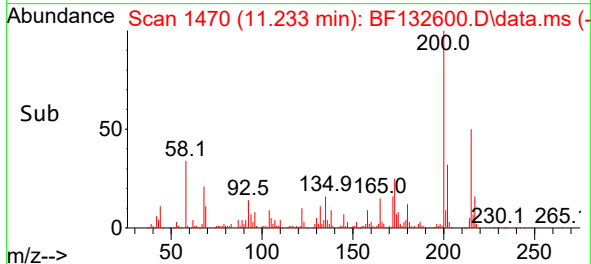
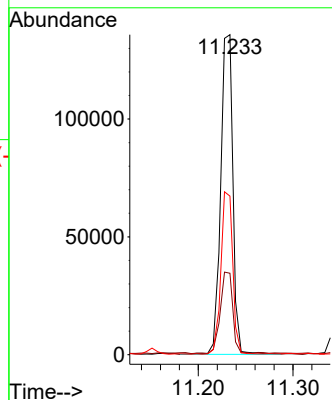
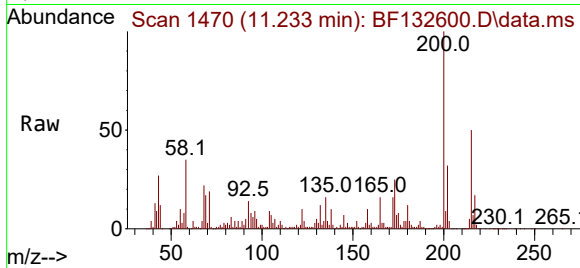




#69
 Atrazine
 Concen: 21.402 ng
 RT: 11.233 min Scan# 1430
 Delta R.T. -0.003 min
 Lab File: BF132600.D
 Acq: 01 Mar 2023 19:55

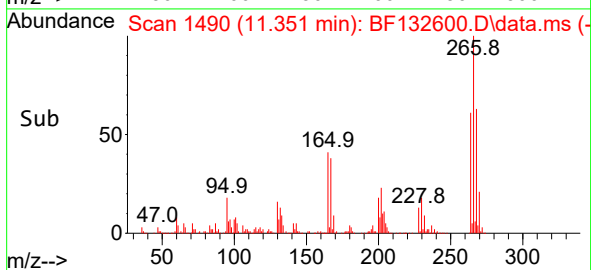
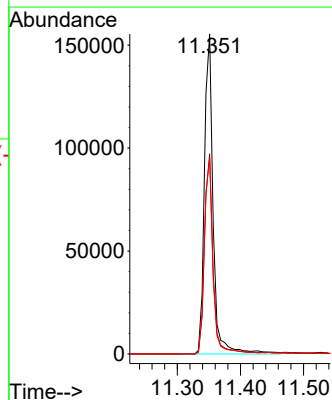
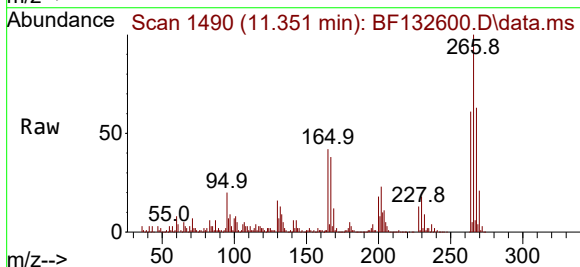
Instrument :
 BNA_F
 ClientSampleId :
 HD-01-022723MSD

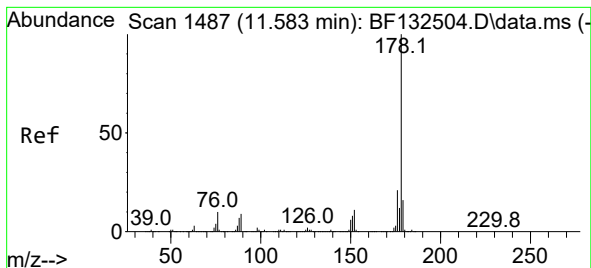
Tgt Ion:200 Resp: 121908
 Ion Ratio Lower Upper
 200 100
 173 25.5 6.4 46.4
 215 49.5 31.0 71.0



#70
 Pentachlorophenol
 Concen: 36.112 ng
 RT: 11.351 min Scan# 1490
 Delta R.T. 0.003 min
 Lab File: BF132600.D
 Acq: 01 Mar 2023 19:55

Tgt Ion:266 Resp: 149668
 Ion Ratio Lower Upper
 266 100
 268 62.5 49.8 74.6
 264 61.3 50.9 76.3





#71

Phenanthrene

Concen: 40.135 ng

RT: 11.575 min Scan# 1

Delta R.T. -0.003 min

Lab File: BF132600.D

Acq: 01 Mar 2023 19:55

Instrument :

BNA_F

ClientSampleId :

HD-01-022723MSD

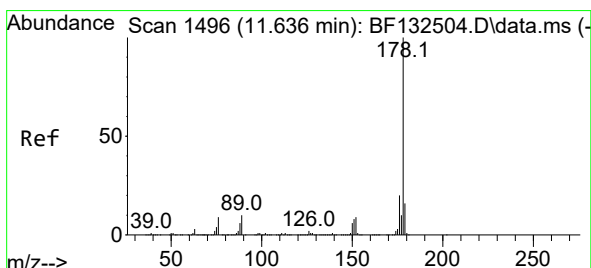
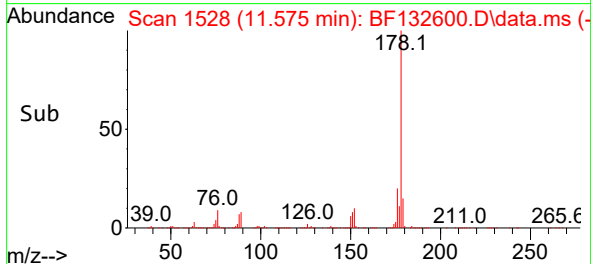
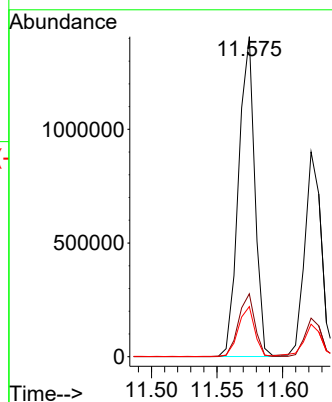
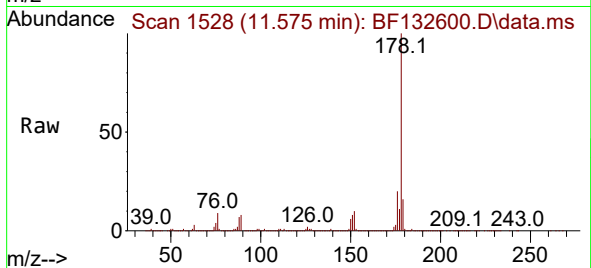
Tgt Ion:178 Resp: 1216884

Ion Ratio Lower Upper

178 100

176 19.6 16.5 24.7

179 15.7 13.0 19.6



#72

Anthracene

Concen: 25.201 ng

RT: 11.622 min Scan# 1536

Delta R.T. -0.009 min

Lab File: BF132600.D

Acq: 01 Mar 2023 19:55

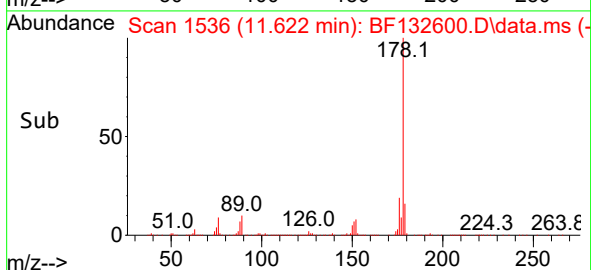
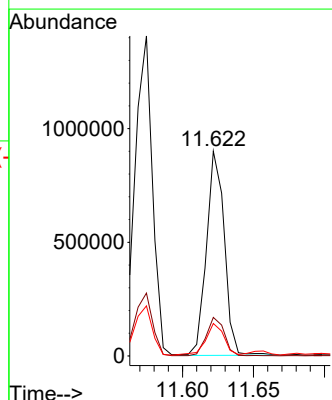
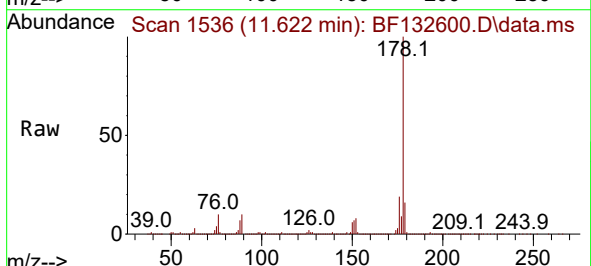
Tgt Ion:178 Resp: 786816

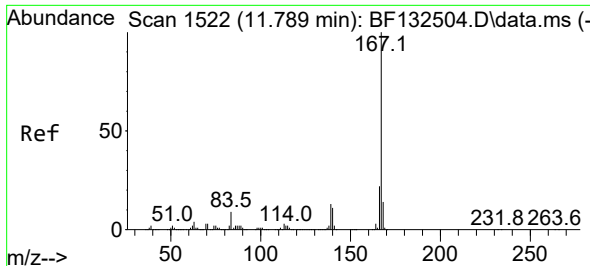
Ion Ratio Lower Upper

178 100

176 18.8 15.6 23.4

179 15.9 12.5 18.7

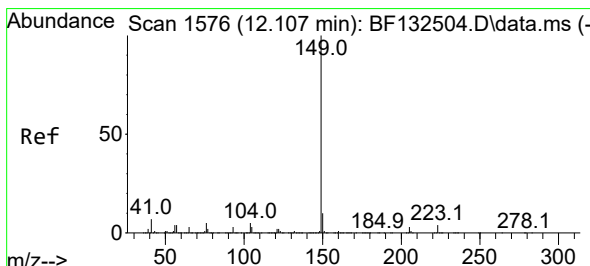
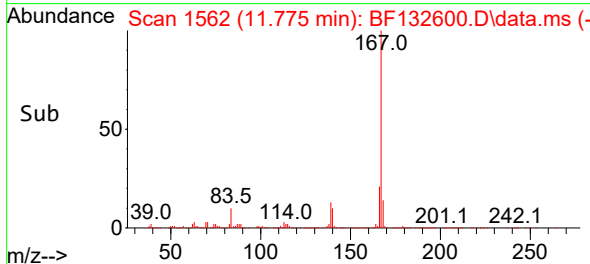
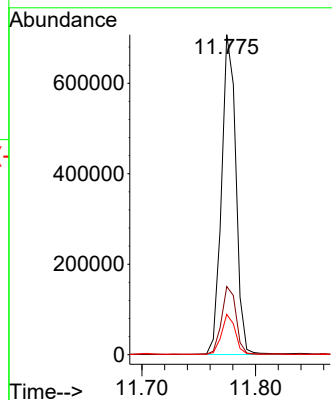
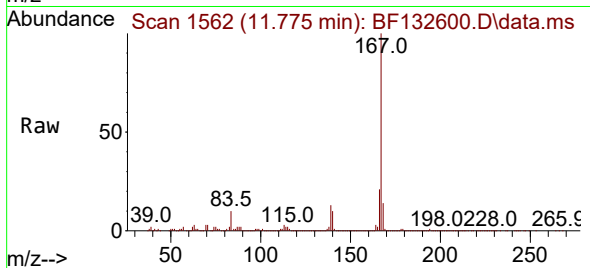




#73
 Carbazole
 Concen: 22.128 ng
 RT: 11.775 min Scan# 11
 Delta R.T. -0.009 min
 Lab File: BF132600.D
 Acq: 01 Mar 2023 19:55

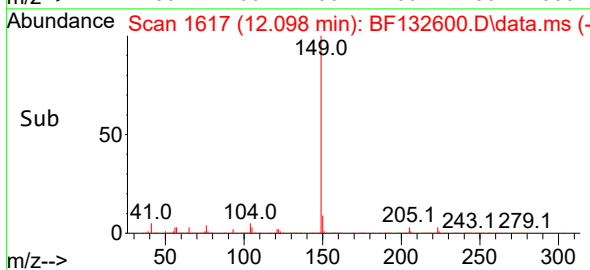
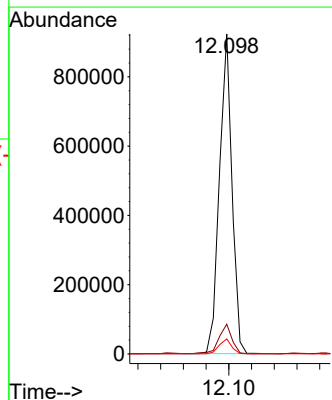
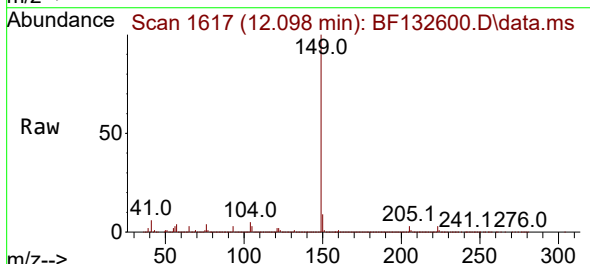
Instrument :
 BNA_F
 ClientSampleId :
 HD-01-022723MSD

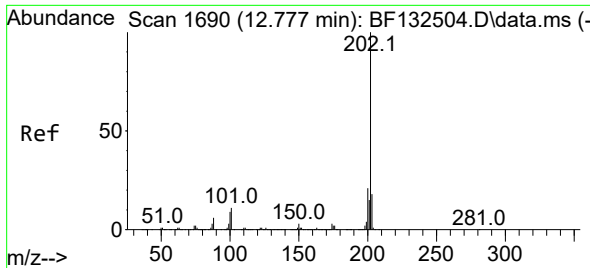
Tgt Ion:167 Resp: 622894
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.7 26.5
 139 12.6 10.5 15.7



#74
 Di-n-butylphthalate
 Concen: 21.444 ng
 RT: 12.098 min Scan# 1617
 Delta R.T. -0.003 min
 Lab File: BF132600.D
 Acq: 01 Mar 2023 19:55

Tgt Ion:149 Resp: 708098
 Ion Ratio Lower Upper
 149 100
 150 9.3 7.8 11.8
 104 4.7 4.3 6.5

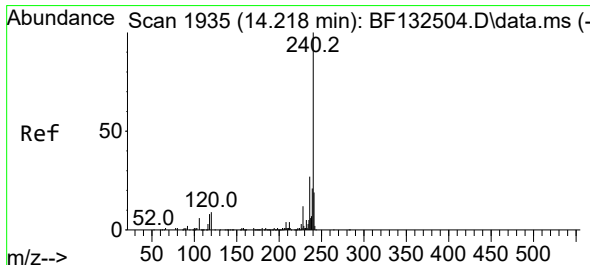
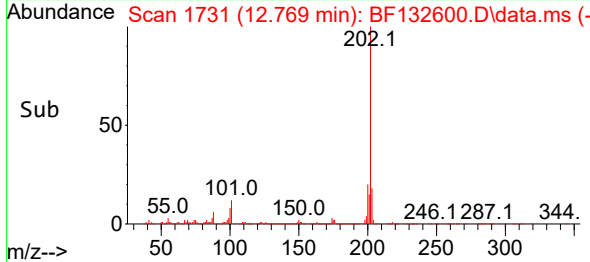
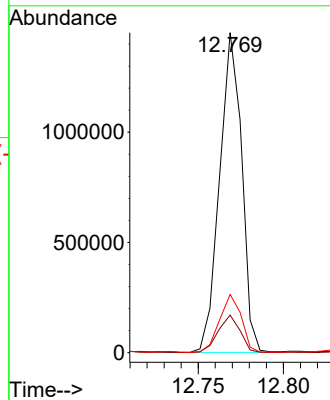
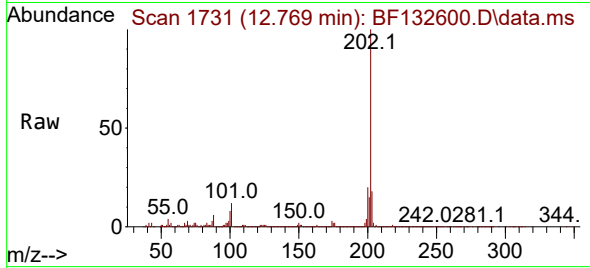




#75
Fluoranthene
Concen: 39.501 ng
RT: 12.769 min Scan# 11
Delta R.T. -0.003 min
Lab File: BF132600.D
Acq: 01 Mar 2023 19:55

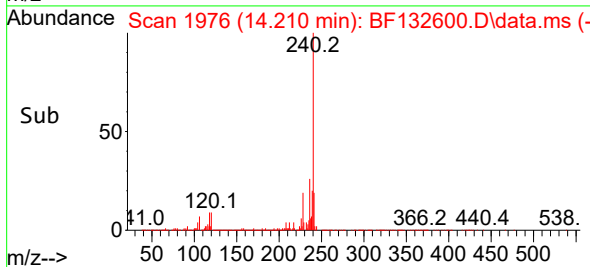
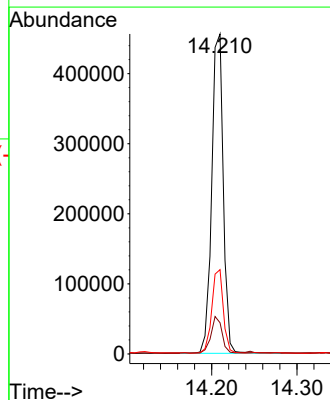
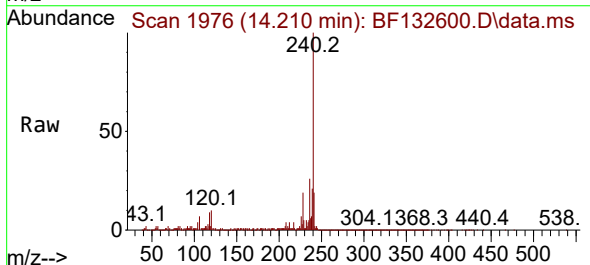
Instrument :
BNA_F
ClientSampleId :
HD-01-022723MSD

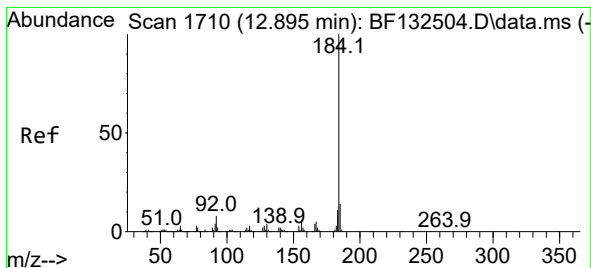
Tgt Ion:202 Resp: 1309278
Ion Ratio Lower Upper
202 100
101 11.8 0.0 31.4
203 18.2 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.210 min Scan# 1976
Delta R.T. 0.003 min
Lab File: BF132600.D
Acq: 01 Mar 2023 19:55

Tgt Ion:240 Resp: 428952
Ion Ratio Lower Upper
240 100
120 9.8 7.2 10.8
236 26.3 21.8 32.6





#77

Benzidine

Concen: 26.668 ng

RT: 12.886 min Scan# 1751

Delta R.T. 0.003 min

Lab File: BF132600.D

Acq: 01 Mar 2023 19:55

Instrument :

BNA_F

ClientSampleId :

HD-01-022723MSD

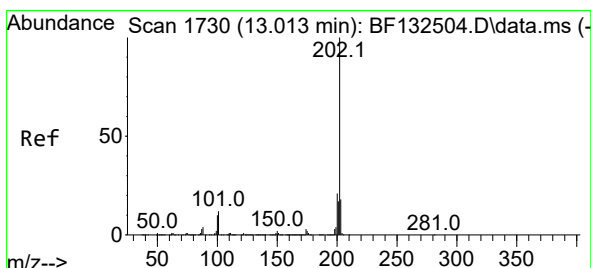
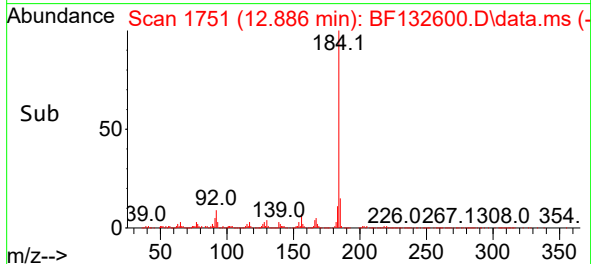
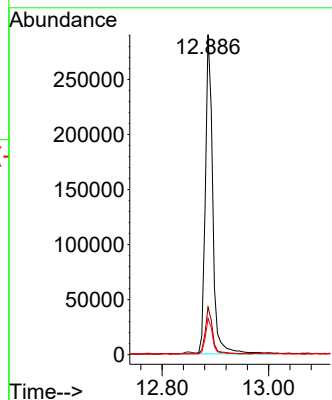
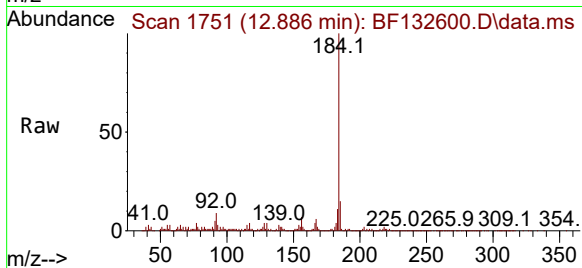
Tgt Ion:184 Resp: 278463

Ion Ratio Lower Upper

184 100

185 14.8 11.7 17.5

183 11.3 8.7 13.1



#78

Pyrene

Concen: 35.315 ng

RT: 13.004 min Scan# 1771

Delta R.T. 0.003 min

Lab File: BF132600.D

Acq: 01 Mar 2023 19:55

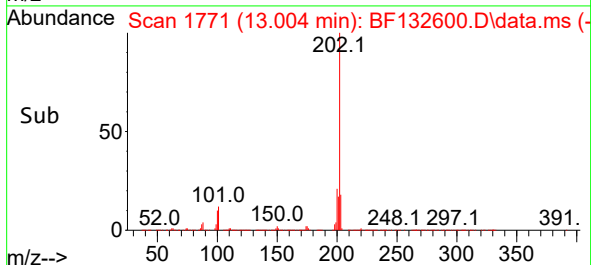
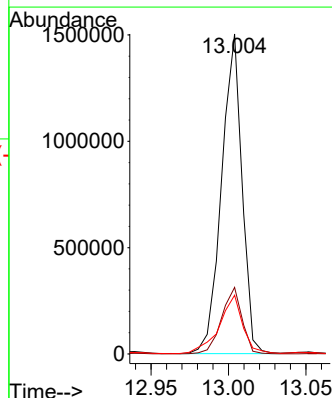
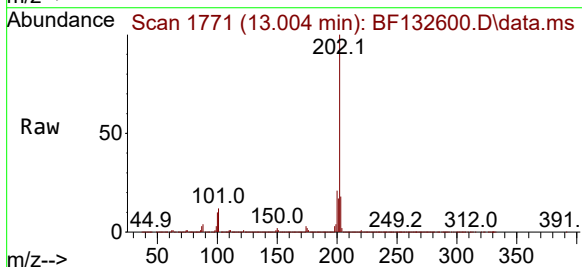
Tgt Ion:202 Resp: 1377266

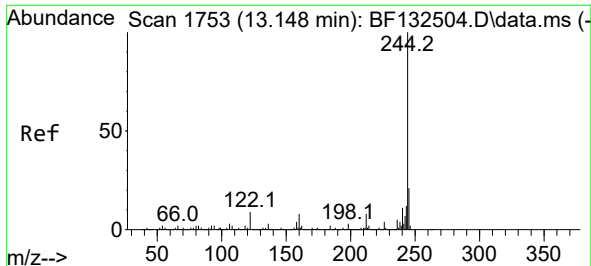
Ion Ratio Lower Upper

202 100

200 20.8 17.1 25.7

203 18.3 14.6 21.8

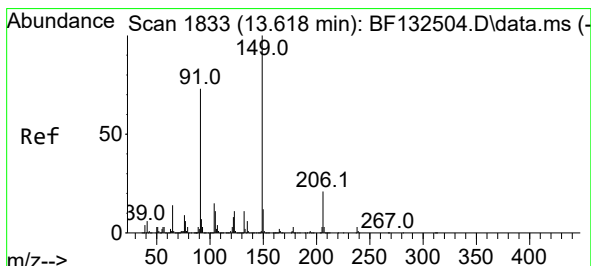
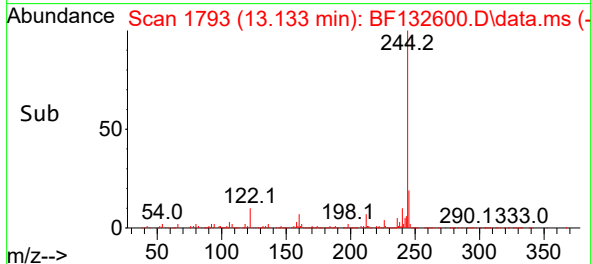
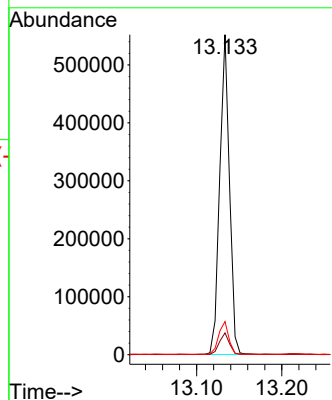
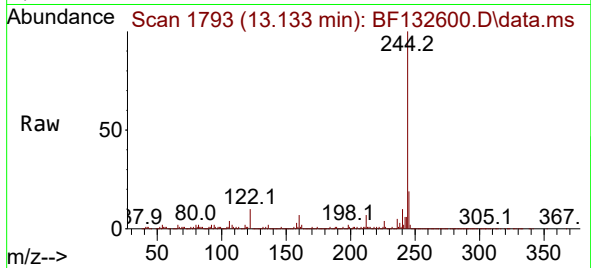




#79
 Terphenyl-d14
 Concen: 17.260 ng
 RT: 13.133 min Scan# 1
 Delta R.T. -0.009 min
 Lab File: BF132600.D
 Acq: 01 Mar 2023 19:55

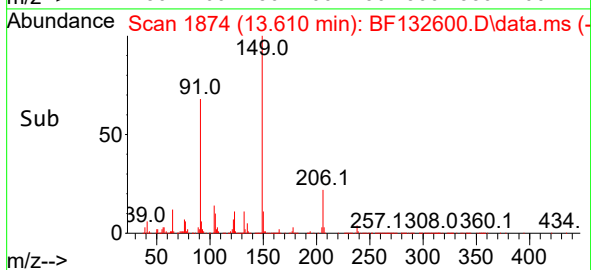
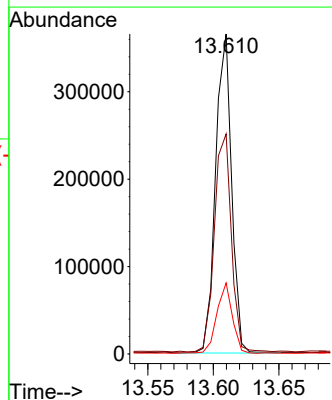
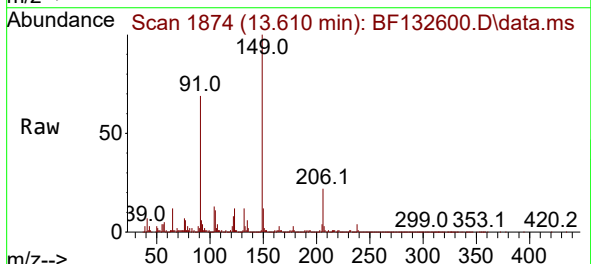
Instrument :
 BNA_F
 ClientSampleId :
 HD-01-022723MSD

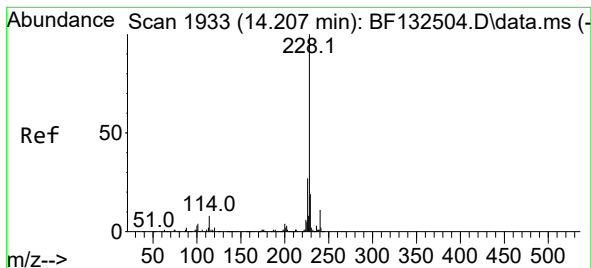
Tgt Ion:244 Resp: 437895
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.5 9.7
 122 10.4 7.5 11.3



#80
 Butylbenzylphthalate
 Concen: 20.122 ng
 RT: 13.610 min Scan# 1874
 Delta R.T. -0.003 min
 Lab File: BF132600.D
 Acq: 01 Mar 2023 19:55

Tgt Ion:149 Resp: 309675
 Ion Ratio Lower Upper
 149 100
 91 68.7 58.4 87.6
 206 22.2 16.8 25.2





#81

Benzo(a)anthracene

Concen: 29.461 ng

RT: 14.198 min Scan# 1933

Delta R.T. 0.003 min

Lab File: BF132600.D

Acq: 01 Mar 2023 19:55

Instrument :

BNA_F

ClientSampleId :

HD-01-022723MSD

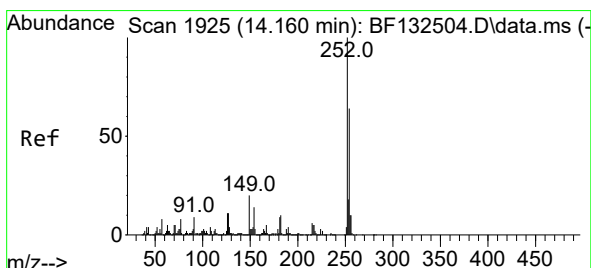
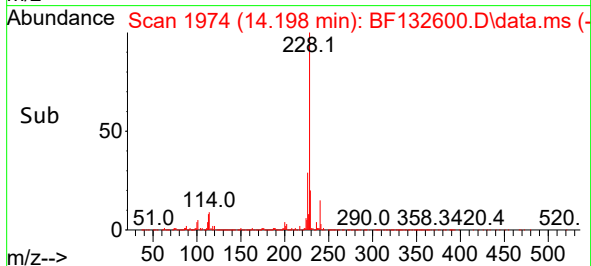
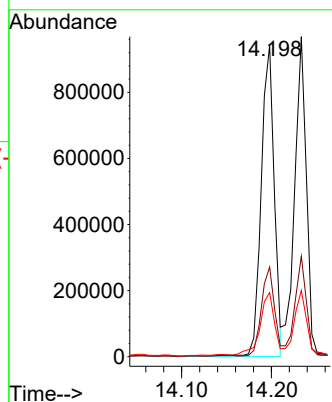
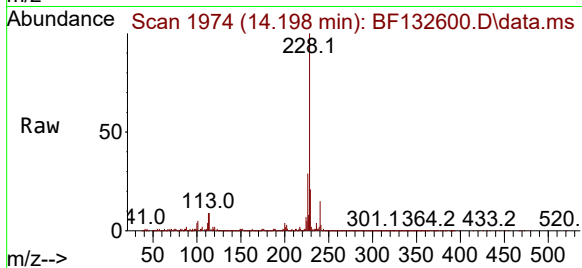
Tgt Ion:228 Resp: 945550

Ion Ratio Lower Upper

228 100

226 28.8 21.7 32.5

229 20.6 15.4 23.2



#82

3,3'-Dichlorobenzidine

Concen: 15.514 ng

RT: 14.151 min Scan# 1966

Delta R.T. -0.003 min

Lab File: BF132600.D

Acq: 01 Mar 2023 19:55

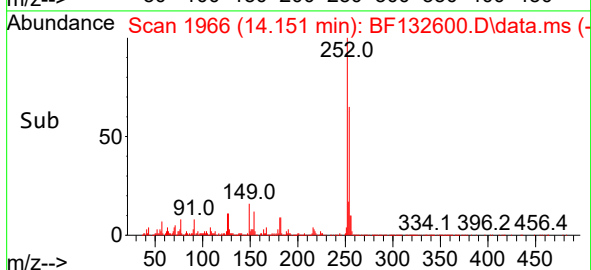
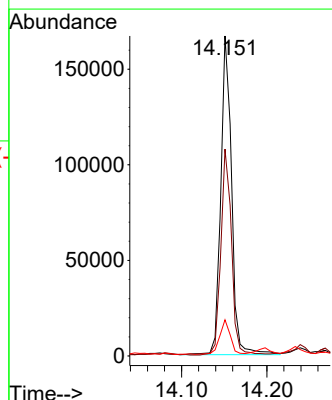
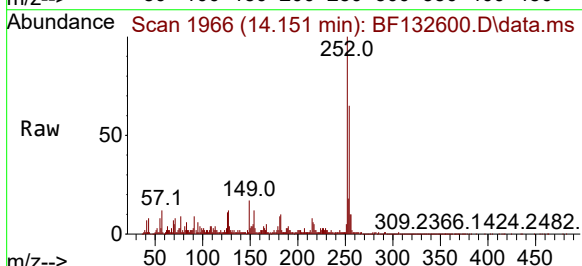
Tgt Ion:252 Resp: 146793

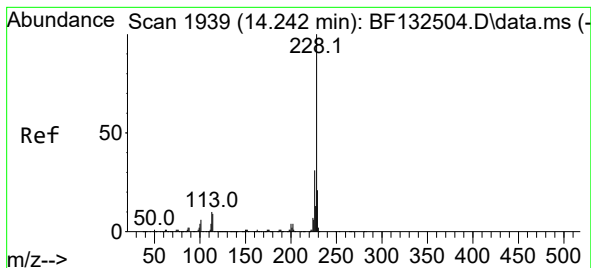
Ion Ratio Lower Upper

252 100

254 64.7 51.4 77.2

126 11.3 8.9 13.3





#83

Chrysene

Concen: 28.183 ng

RT: 14.233 min Scan# 1939

Delta R.T. -0.003 min

Lab File: BF132600.D

Acq: 01 Mar 2023 19:55

Instrument :

BNA_F

ClientSampleId :

HD-01-022723MSD

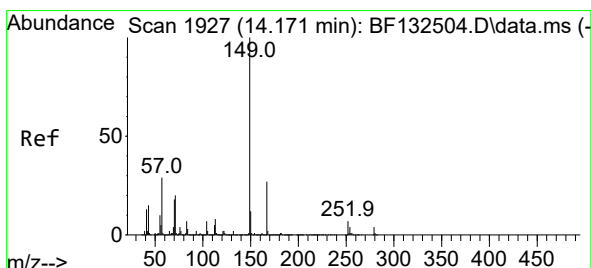
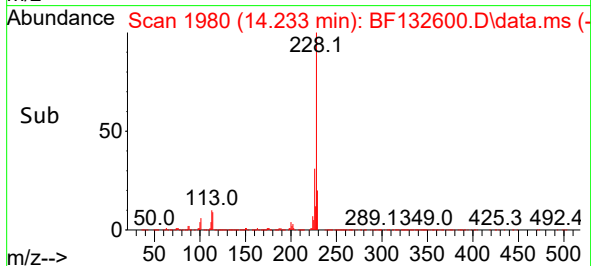
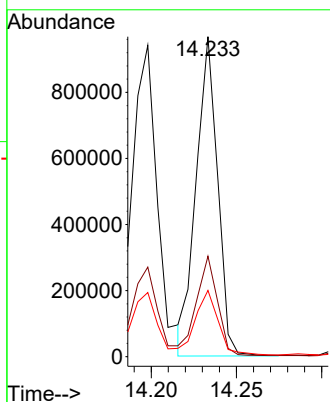
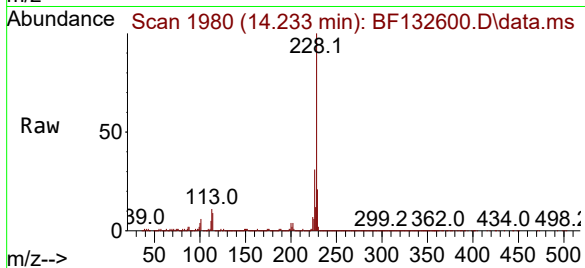
Tgt Ion:228 Resp: 845865

Ion Ratio Lower Upper

228 100

226 31.4 25.0 37.6

229 20.7 16.4 24.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 22.944 ng

RT: 14.163 min Scan# 1968

Delta R.T. -0.003 min

Lab File: BF132600.D

Acq: 01 Mar 2023 19:55

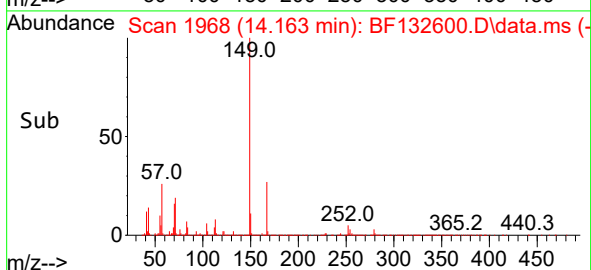
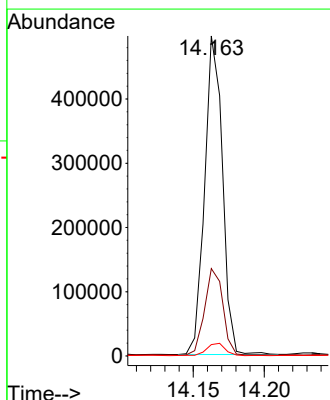
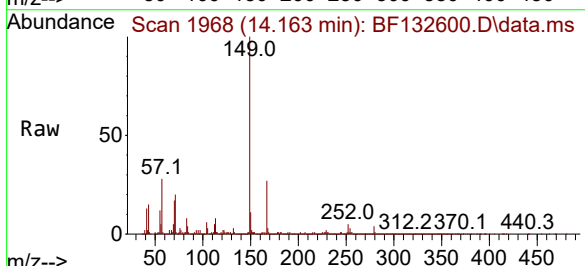
Tgt Ion:149 Resp: 433772

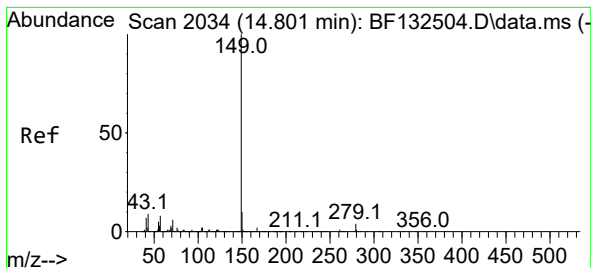
Ion Ratio Lower Upper

149 100

167 27.3 21.8 32.6

279 3.6 3.0 4.6





#85

Di-n-octyl phthalate

Concen: 25.091 ng

RT: 14.792 min Scan# 2034

Delta R.T. 0.003 min

Lab File: BF132600.D

Acq: 01 Mar 2023 19:55

Instrument :

BNA_F

ClientSampleId :

HD-01-022723MSD

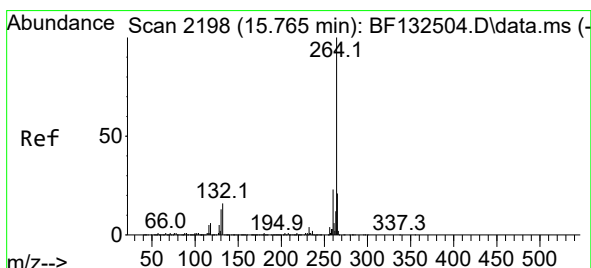
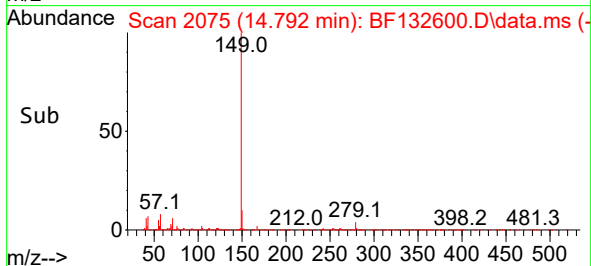
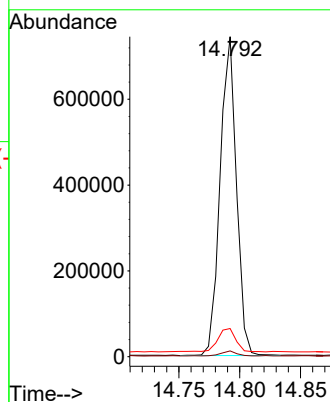
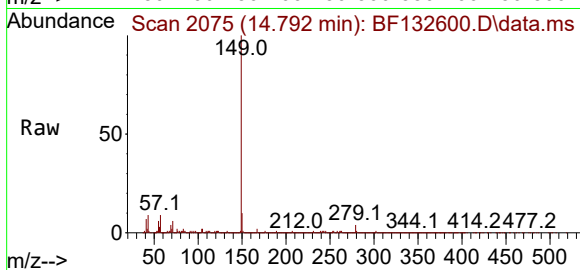
Tgt Ion:149 Resp: 693180

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 8.4 7.2 10.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.763 min Scan# 2240

Delta R.T. 0.009 min

Lab File: BF132600.D

Acq: 01 Mar 2023 19:55

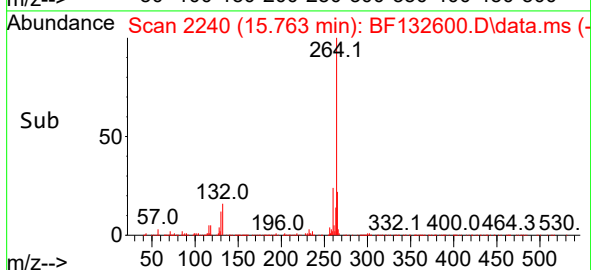
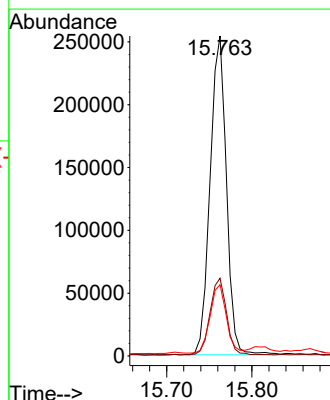
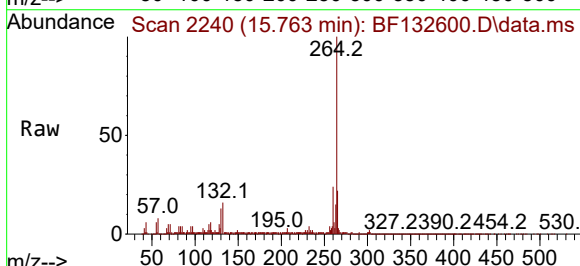
Tgt Ion:264 Resp: 337455

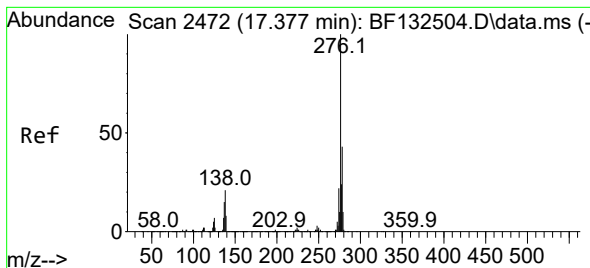
Ion Ratio Lower Upper

264 100

260 24.3 18.8 28.2

265 22.2 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 22.907 ng

RT: 17.362 min Scan# 21

Delta R.T. 0.003 min

Lab File: BF132600.D

Acq: 01 Mar 2023 19:55

Instrument :

BNA_F

ClientSampleId :

HD-01-022723MSD

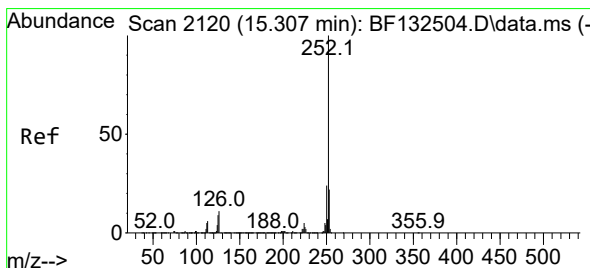
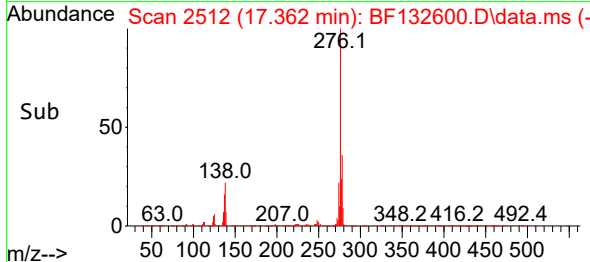
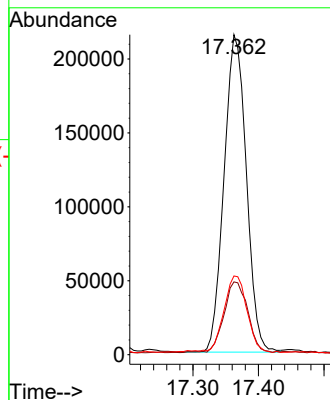
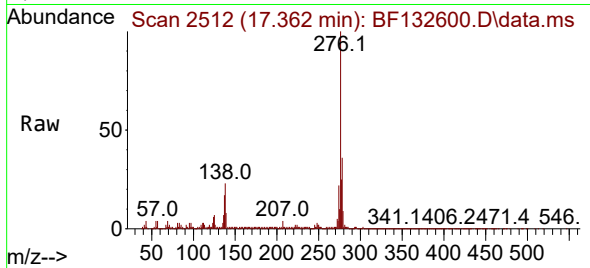
Tgt Ion:276 Resp: 506500

Ion Ratio Lower Upper

276 100

138 23.5 19.0 28.4

277 24.8 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 32.437 ng

RT: 15.298 min Scan# 2161

Delta R.T. 0.003 min

Lab File: BF132600.D

Acq: 01 Mar 2023 19:55

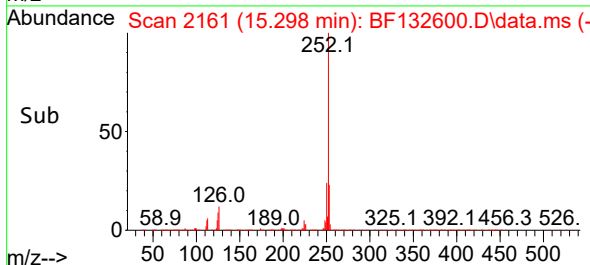
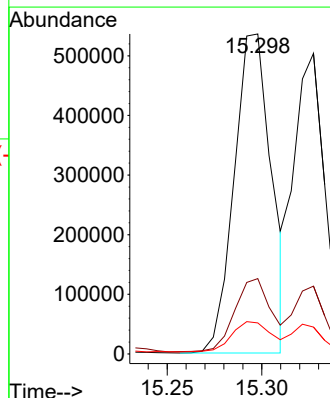
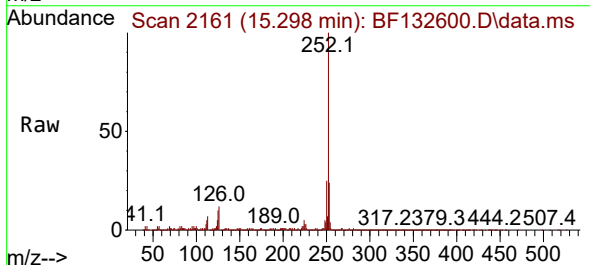
Tgt Ion:252 Resp: 733538

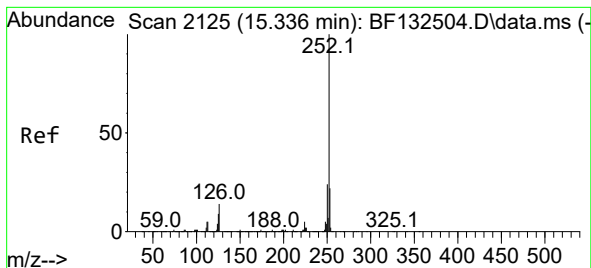
Ion Ratio Lower Upper

252 100

253 23.6 17.4 26.0

125 9.7 7.0 10.6





#89

Benzo(k)fluoranthene

Concen: 25.663 ng

RT: 15.327 min Scan# 21

Delta R.T. 0.003 min

Lab File: BF132600.D

Acq: 01 Mar 2023 19:55

Instrument :

BNA_F

ClientSampleId :

HD-01-022723MSD

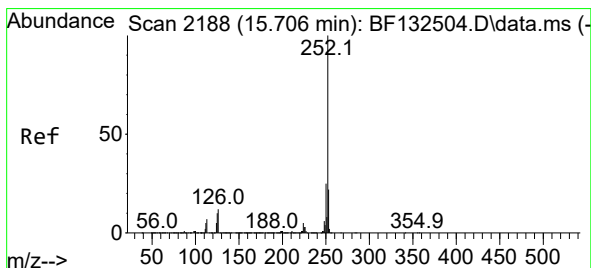
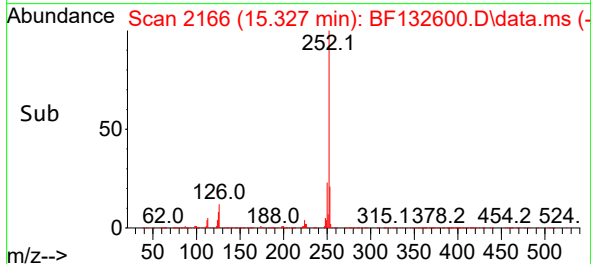
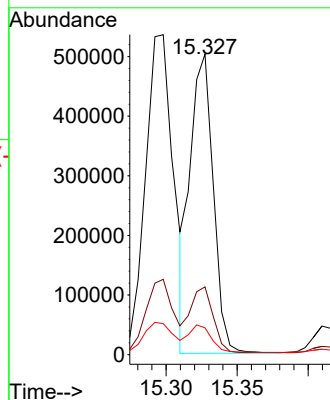
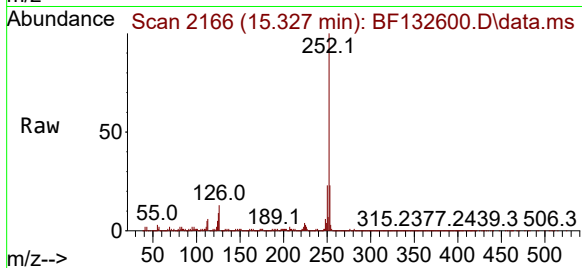
Tgt Ion:252 Resp: 567991

Ion Ratio Lower Upper

252 100

253 22.6 17.5 26.3

125 9.0 7.2 10.8



#90

Benzo(a)pyrene

Concen: 28.043 ng

RT: 15.692 min Scan# 2228

Delta R.T. 0.003 min

Lab File: BF132600.D

Acq: 01 Mar 2023 19:55

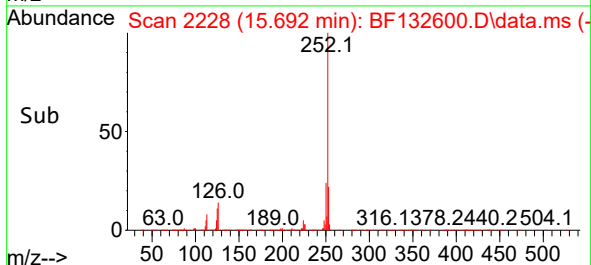
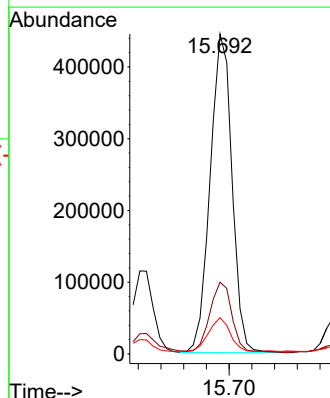
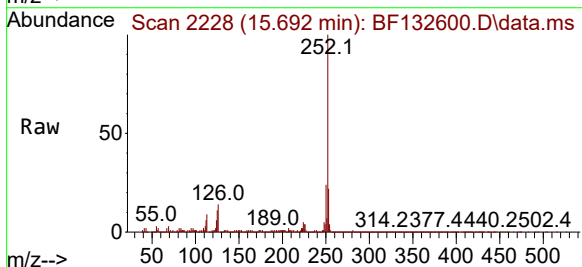
Tgt Ion:252 Resp: 593546

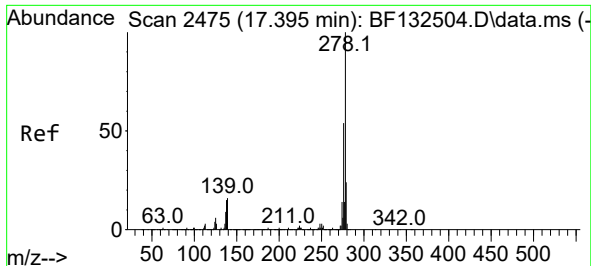
Ion Ratio Lower Upper

252 100

253 22.5 17.2 25.8

125 11.3 8.0 12.0

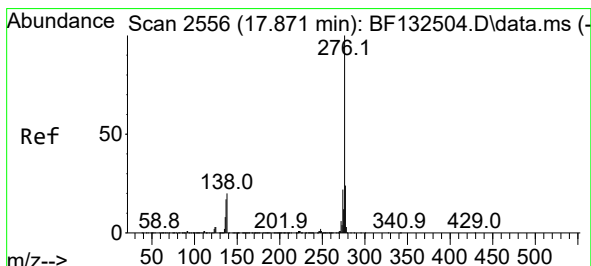
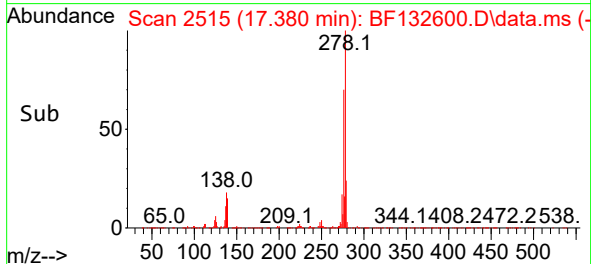
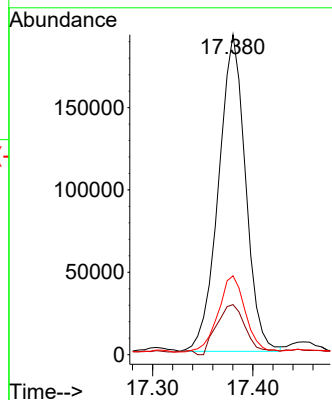
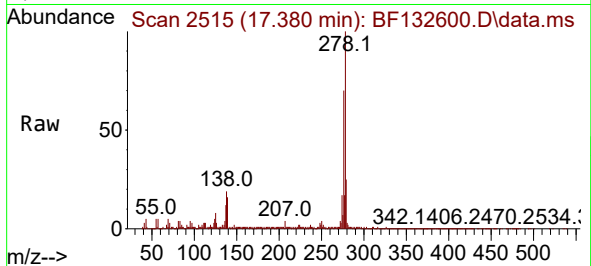




#91
Dibenzo(a,h)anthracene
Concen: 19.928 ng
RT: 17.380 min Scan# 21
Delta R.T. 0.003 min
Lab File: BF132600.D
Acq: 01 Mar 2023 19:55

Instrument :
BNA_F
ClientSampleId :
HD-01-022723MSD

Tgt Ion:278 Resp: 359020
Ion Ratio Lower Upper
278 100
139 15.6 13.0 19.4
279 24.6 19.0 28.4



#92
Benzo(g,h,i)perylene
Concen: 21.930 ng
RT: 17.857 min Scan# 2596
Delta R.T. 0.003 min
Lab File: BF132600.D
Acq: 01 Mar 2023 19:55

Tgt Ion:276 Resp: 428022
Ion Ratio Lower Upper
276 100
277 25.4 18.9 28.3
138 21.6 16.2 24.4

