

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042023\
 Data File : BF132952.D
 Acq On : 20 Apr 2023 23:09
 Operator : CG\JU
 Sample : 02386-04MS
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SPA-1WC-23-04MS

Quant Time: Apr 21 02:18:35 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF041723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 20 14:15:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.757	152	338349	20.000	ng	0.00
21) Naphthalene-d8	8.045	136	1422402	20.000	ng	0.00
39) Acenaphthene-d10	9.798	164	708115	20.000	ng	0.00
64) Phenanthrene-d10	11.281	188	1225488	20.000	ng	0.00
76) Chrysene-d12	13.922	240	757512	20.000	ng	0.00
86) Perylene-d12	15.345	264	687974	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	2845657	131.511	ng	0.03
7) Phenol-d6	6.398	99	3506102	126.982	ng	0.00
23) Nitrobenzene-d5	7.328	82	2425992	88.902	ng	0.00
42) 2,4,6-Tribromophenol	10.592	330	1038481	146.215	ng	0.00
45) 2-Fluorobiphenyl	9.128	172	3801283	82.467	ng	0.00
79) Terphenyl-d14	12.875	244	4275398	96.291	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.687	88	454372	43.034	ng	98
3) Pyridine	3.357	79	986326	34.156	ng	97
4) n-Nitrosodimethylamine	3.281	42	682156	49.717	ng	100
6) Aniline	6.422	93	845894	23.101	ng	98
8) 2-Chlorophenol	6.546	128	1141690	52.009	ng	100
9) Benzaldehyde	6.304	77	518849	31.759	ng	95
10) Phenol	6.410	94	1343843	43.286	ng	95
11) bis(2-Chloroethyl)ether	6.498	93	1190731	50.785	ng	99
12) 1,3-Dichlorobenzene	6.698	146	1182345	49.003	ng	98
13) 1,4-Dichlorobenzene	6.775	146	1270131	52.536	ng	98
14) 1,2-Dichlorobenzene	6.928	146	1231093	54.537	ng	99
15) Benzyl Alcohol	6.904	79	1070770	56.586	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.040	45	2080820	51.290	ng	100
17) 2-Methylphenol	7.022	107	969904	48.239	ng	100
18) Hexachloroethane	7.275	117	418218	49.844	ng	95
19) n-Nitroso-di-n-propyla...	7.187	70	870984	50.537	ng	97
20) 3+4-Methylphenols	7.175	107	1131033	47.594	ng	93
22) Acetophenone	7.175	105	1600170	47.955	ng	# 95
24) Nitrobenzene	7.345	77	1269507	45.388	ng	99
25) Isophorone	7.587	82	2430883	46.963	ng	99
26) 2-Nitrophenol	7.663	139	638259	60.490	ng	97
27) 2,4-Dimethylphenol	7.704	122	1117265	51.908	ng	97
28) bis(2-Chloroethoxy)met...	7.798	93	1420075	45.886	ng	96
29) 2,4-Dichlorophenol	7.904	162	966344	48.235	ng	97
30) 1,2,4-Trichlorobenzene	7.987	180	1013382	46.847	ng	100
31) Naphthalene	8.069	128	3400725	47.312	ng	100
32) Benzoic acid	7.828	122	561653	52.036	ng	# 83
33) 4-Chloroaniline	8.110	127	451783	15.346	ng	98
34) Hexachlorobutadiene	8.187	225	540956	43.713	ng	99
35) Caprolactam	8.510	113	141503	23.718	ng	93
36) 4-Chloro-3-methylphenol	8.598	107	1062410	50.524	ng	98
37) 2-Methylnaphthalene	8.763	142	2188120	44.227	ng	99
38) 1-Methylnaphthalene	8.857	142	2056053	44.601	ng	99
40) 1,2,4,5-Tetrachloroben...	8.928	216	900511	44.961	ng	99
41) Hexachlorocyclopentadiene	8.916	237	1063087	100.702	ng	98
43) 2,4,6-Trichlorophenol	9.039	196	658163	51.839	ng	99

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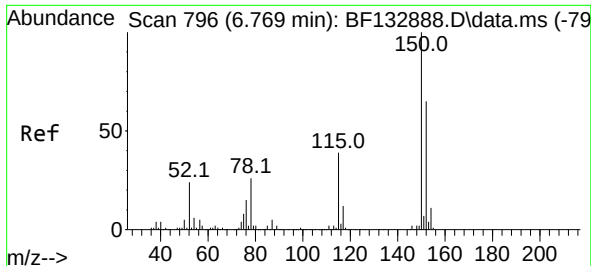
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.075	196	694292	46.765	ng	99
46) 1,1'-Biphenyl	9.228	154	2564753	45.689	ng	99
47) 2-Chloronaphthalene	9.251	162	1966503	47.339	ng	99
48) 2-Nitroaniline	9.339	65	710162	59.094	ng	97
49) Acenaphthylene	9.663	152	3010043	45.431	ng	99
50) Dimethylphthalate	9.534	163	2322444	47.439	ng	100
51) 2,6-Dinitrotoluene	9.586	165	549737	51.216	ng	97
52) Acenaphthene	9.839	154	2094036	49.046	ng	99
53) 3-Nitroaniline	9.751	138	347162	28.422	ng	94
54) 2,4-Dinitrophenol	9.857	184	403196	96.429	ng	91
55) Dibenzofuran	10.010	168	2715697	44.832	ng	99
56) 4-Nitrophenol	9.922	139	905889	99.842	ng	96
57) 2,4-Dinitrotoluene	9.992	165	730494	55.142	ng	91
58) Fluorene	10.351	166	1994016	44.937	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.122	232	584053	50.689	ng	100
60) Diethylphthalate	10.234	149	2194077	47.961	ng	98
61) 4-Chlorophenyl-phenyle...	10.339	204	988233	43.785	ng	91
62) 4-Nitroaniline	10.375	138	588125	50.096	ng	97
63) Azobenzene	10.504	77	2524942	49.411	ng	99
65) 4,6-Dinitro-2-methylph...	10.398	198	320043	54.531	ng	93
66) n-Nitrosodiphenylamine	10.463	169	1902203	47.660	ng	99
67) 4-Bromophenyl-phenylether	10.833	248	650804	46.506	ng	98
68) Hexachlorobenzene	10.898	284	726236	50.022	ng	96
69) Atrazine	10.992	200	602749	54.030	ng	99
70) Pentachlorophenol	11.092	266	826354	88.205	ng	99
71) Phenanthrene	11.310	178	3017124	45.771	ng	99
72) Anthracene	11.363	178	3083183	45.691	ng	99
73) Carbazole	11.516	167	2787525	47.742	ng	99
74) Di-n-butylphthalate	11.851	149	3307021	52.836	ng	100
75) Fluoranthene	12.492	202	3113547	47.498	ng	99
77) Benzidine	12.610	184	683498	57.923	ng	96
78) Pyrene	12.722	202	3134732	50.608	ng	99
80) Butylbenzylphthalate	13.345	149	1259674	80.393	ng	96
81) Benzo(a)anthracene	13.910	228	2514845	48.816	ng	99
82) 3,3'-Dichlorobenzidine	13.874	252	601705	48.285	ng	98
83) Chrysene	13.945	228	2449858	47.845	ng	99
84) Bis(2-ethylhexyl)phtha...	13.910	149	1754246	89.533	ng	98
85) Di-n-octyl phthalate	14.521	149	2654660	60.429	ng	97
87) Indeno(1,2,3-cd)pyrene	16.745	276	2313877	58.860	ng	99
88) Benzo(b)fluoranthene	14.939	252	2263686	52.823	ng	100
89) Benzo(k)fluoranthene	14.969	252	2099019	49.169	ng	99
90) Benzo(a)pyrene	15.286	252	1869417	47.749	ng	98
91) Dibenzo(a,h)anthracene	16.757	278	1911371	57.063	ng	98
92) Benzo(g,h,i)perylene	17.162	276	1923192	59.967	ng	99

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

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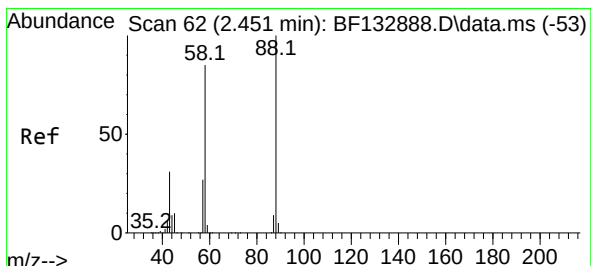
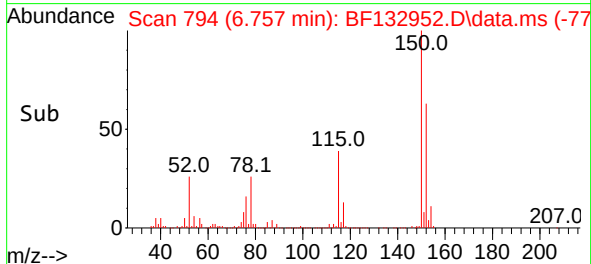
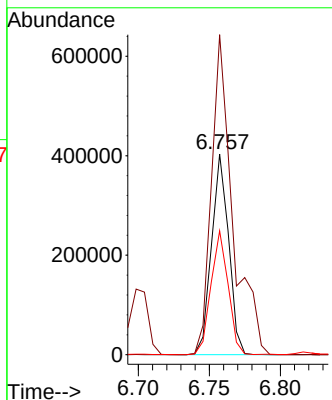
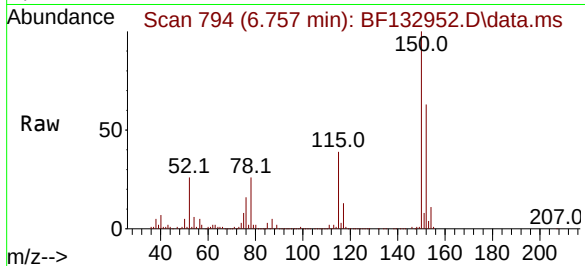




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.757 min Scan# 79
 Delta R.T. 0.000 min
 Lab File: BF132952.D
 Acq: 20 Apr 2023 23:09

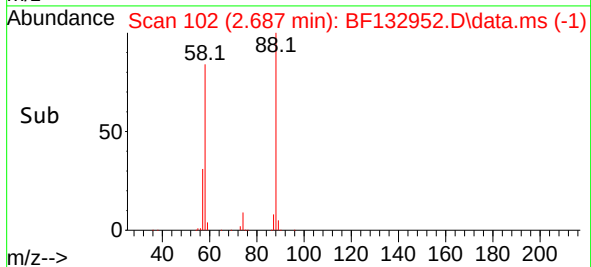
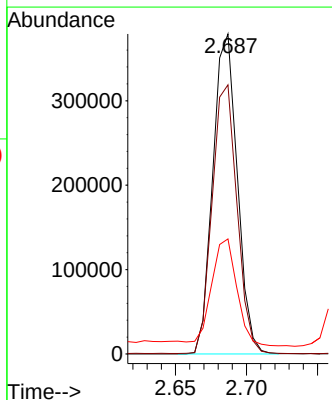
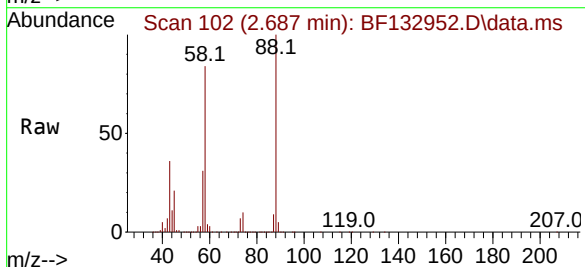
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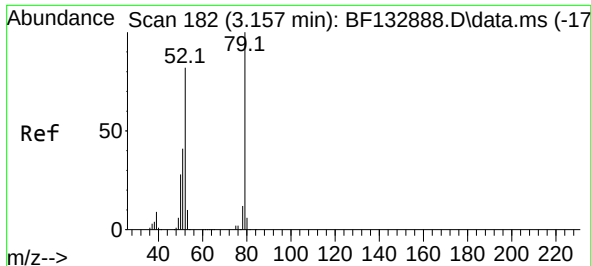
Tgt Ion:152 Resp: 338349
 Ion Ratio Lower Upper
 152 100
 150 159.4 122.8 184.2
 115 61.7 47.3 70.9



#2
 1,4-Dioxane
 Concen: 43.034 ng
 RT: 2.687 min Scan# 102
 Delta R.T. 0.241 min
 Lab File: BF132952.D
 Acq: 20 Apr 2023 23:09

Tgt Ion: 88 Resp: 454372
 Ion Ratio Lower Upper
 88 100
 58 85.2 67.8 101.6
 43 34.7 25.4 38.0





#3

Pyridine

Concen: 34.156 ng

RT: 3.357 min Scan# 216

Delta R.T. 0.206 min

Lab File: BF132952.D

Acq: 20 Apr 2023 23:09

Instrument :

BNA_F

ClientSampleId :

SPA-1WC-23-04MS

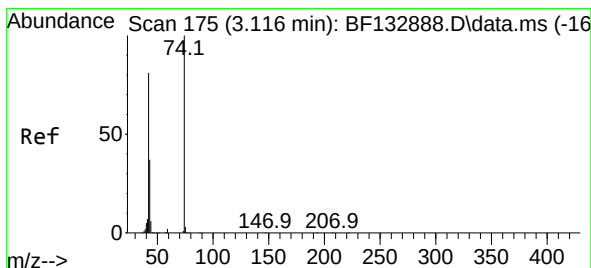
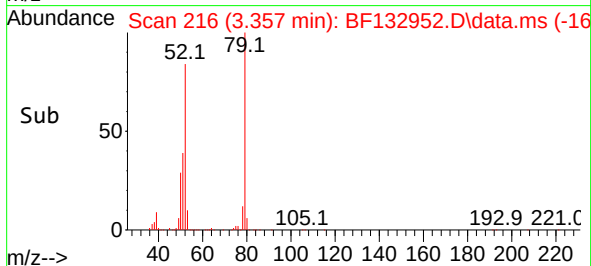
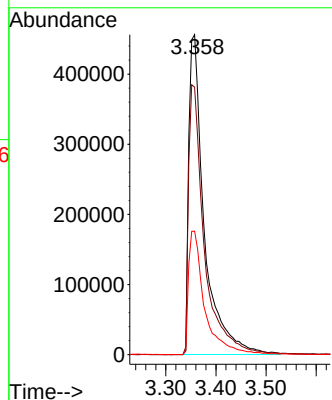
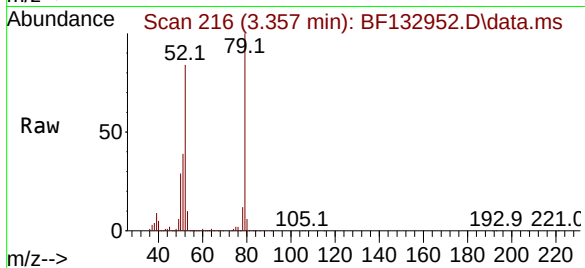
Tgt Ion: 79 Resp: 986326

Ion Ratio Lower Upper

79 100

52 83.6 65.4 98.0

51 38.6 32.6 48.8



#4

n-Nitrosodimethylamine

Concen: 49.717 ng

RT: 3.281 min Scan# 203

Delta R.T. 0.177 min

Lab File: BF132952.D

Acq: 20 Apr 2023 23:09

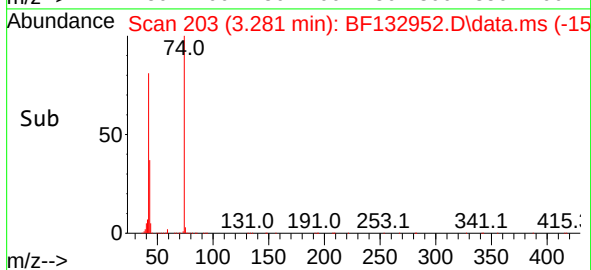
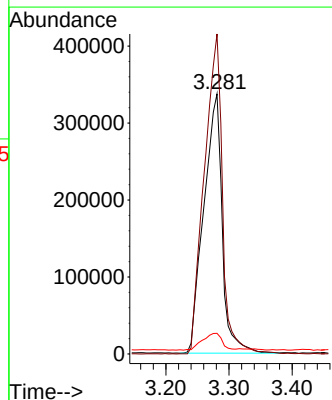
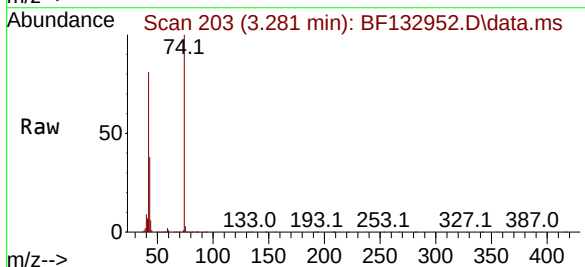
Tgt Ion: 42 Resp: 682156

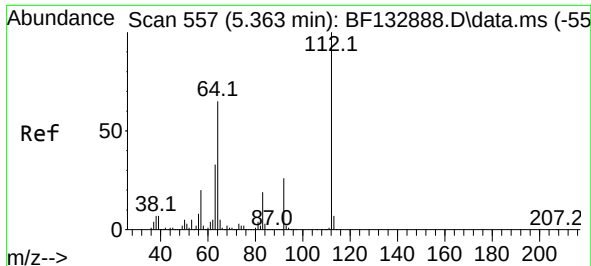
Ion Ratio Lower Upper

42 100

74 123.1 98.4 147.6

44 7.9 6.1 9.1

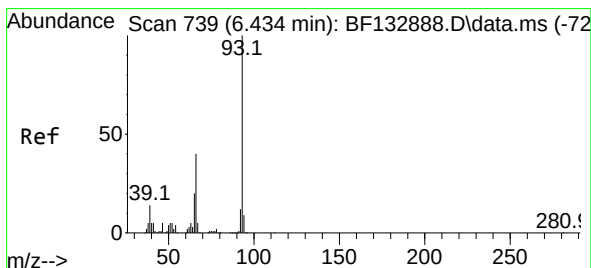
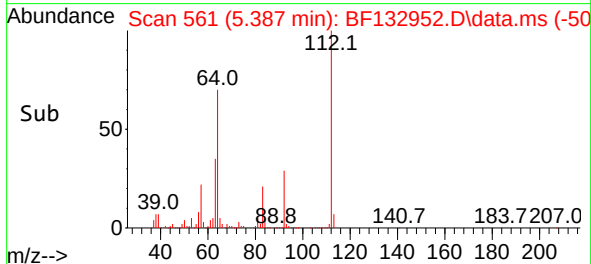
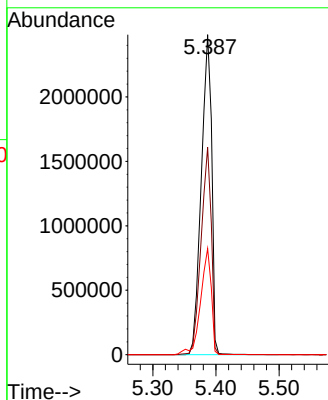
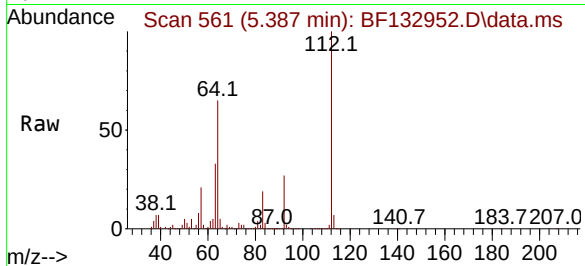




#5
2-Fluorophenol
Concen: 131.511 ng
RT: 5.387 min Scan# 50
Delta R.T. 0.030 min
Lab File: BF132952.D
Acq: 20 Apr 2023 23:09

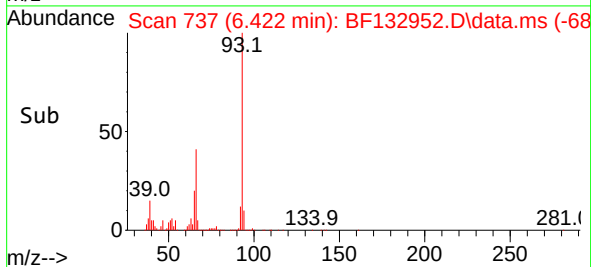
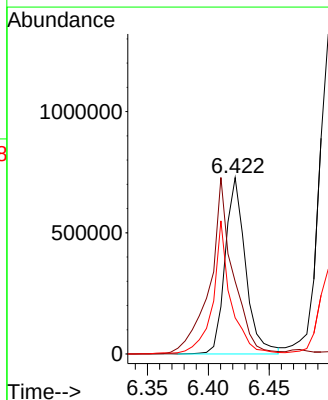
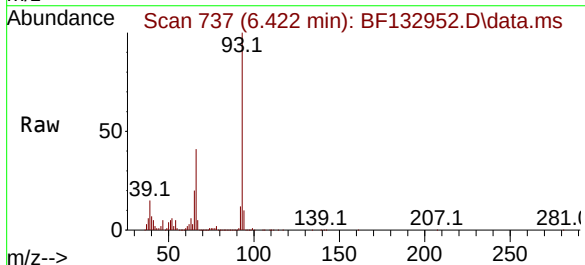
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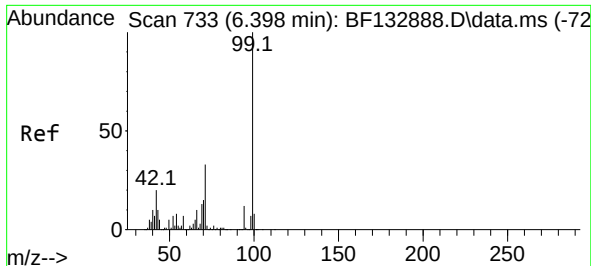
Tgt Ion:112 Resp: 2845657
Ion Ratio Lower Upper
112 100
64 64.8 51.8 77.8
63 33.2 26.3 39.5



#6
Aniline
Concen: 23.101 ng
RT: 6.422 min Scan# 737
Delta R.T. 0.000 min
Lab File: BF132952.D
Acq: 20 Apr 2023 23:09

Tgt Ion: 93 Resp: 845894
Ion Ratio Lower Upper
93 100
66 41.1 31.8 47.6
65 20.5 16.3 24.5

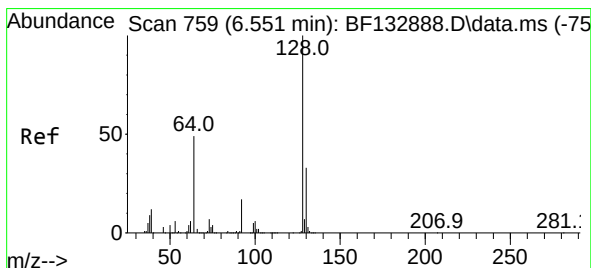
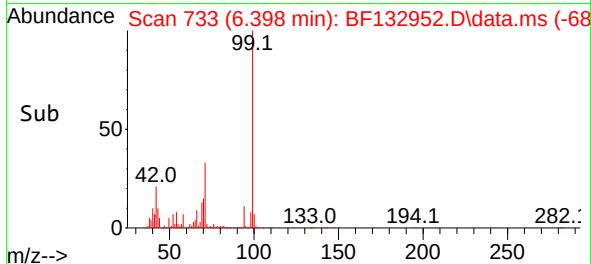
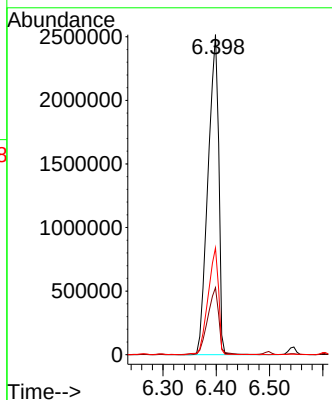
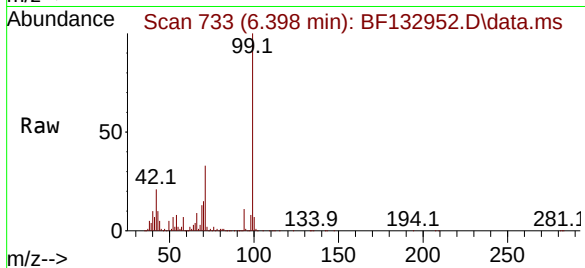




#7
Phenol-d6
Concen: 126.982 ng
RT: 6.398 min Scan# 711
Delta R.T. 0.006 min
Lab File: BF132952.D
Acq: 20 Apr 2023 23:09

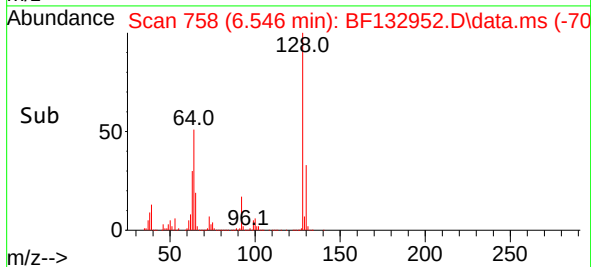
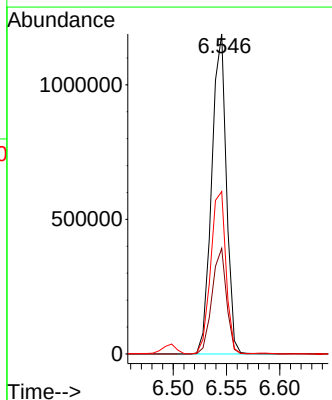
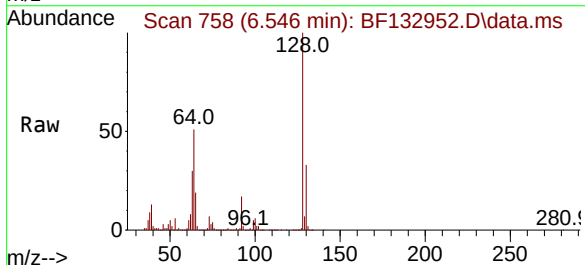
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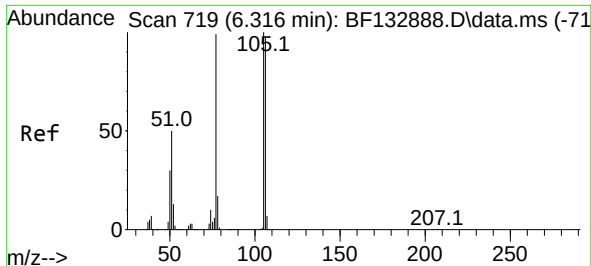
Tgt Ion: 99 Resp: 3506102
Ion Ratio Lower Upper
99 100
42 21.0 16.1 24.1
71 33.4 26.1 39.1



#8
2-Chlorophenol
Concen: 52.009 ng
RT: 6.546 min Scan# 758
Delta R.T. 0.000 min
Lab File: BF132952.D
Acq: 20 Apr 2023 23:09

Tgt Ion:128 Resp: 1141690
Ion Ratio Lower Upper
128 100
130 33.0 13.2 53.2
64 50.8 30.9 70.9

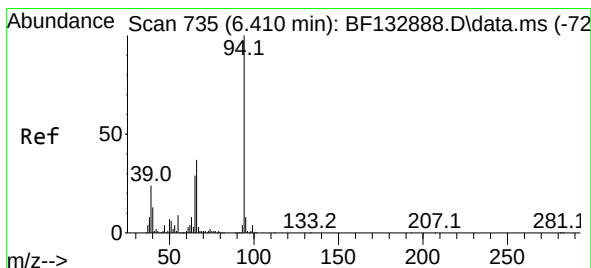
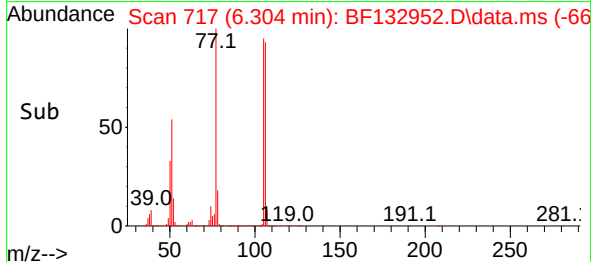
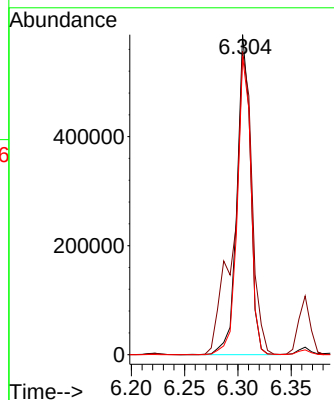
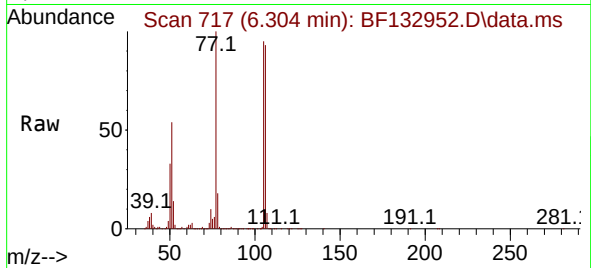




#9
Benzaldehyde
Concen: 31.759 ng
RT: 6.304 min Scan# 717
Delta R.T. 0.000 min
Lab File: BF132952.D
Acq: 20 Apr 2023 23:09

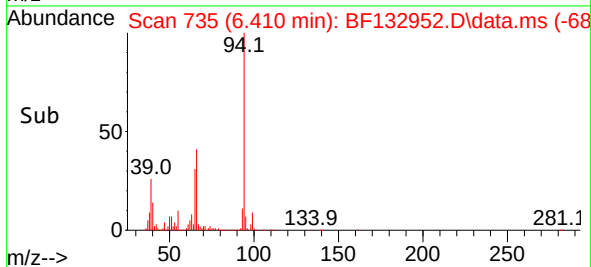
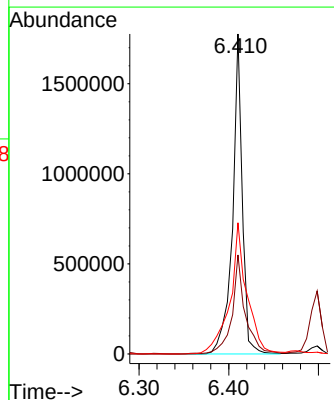
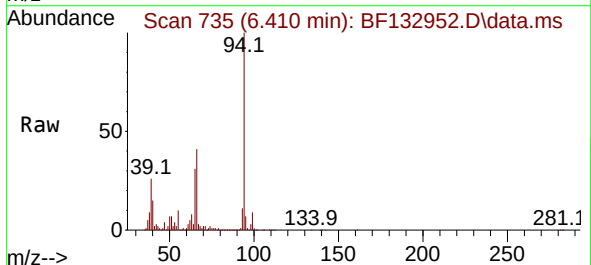
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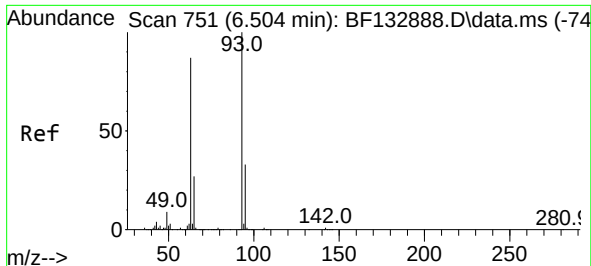
Tgt Ion: 77 Resp: 518849
Ion Ratio Lower Upper
77 100
105 94.7 80.8 120.8
106 93.3 77.9 117.9



#10
Phenol
Concen: 43.286 ng
RT: 6.410 min Scan# 735
Delta R.T. 0.006 min
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Acq: 20 Apr 2023 23:09

Tgt Ion: 94 Resp: 1343843
Ion Ratio Lower Upper
94 100
65 30.9 9.0 49.0
66 41.0 17.1 57.1





#11

bis(2-Chloroethyl)ether

Concen: 50.785 ng

RT: 6.498 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF132952.D

Acq: 20 Apr 2023 23:09

Instrument :

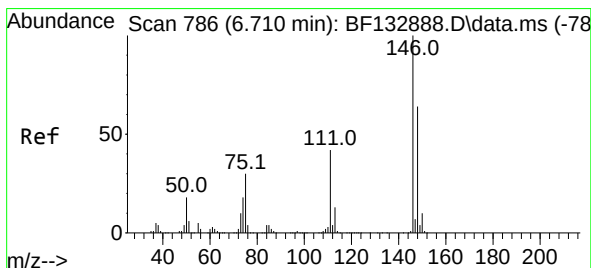
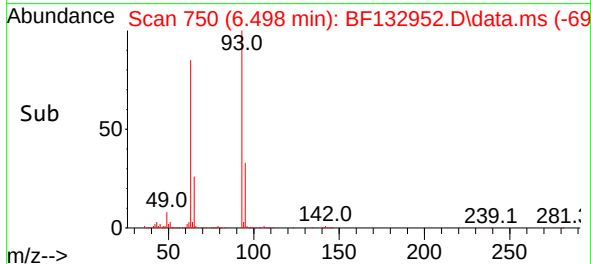
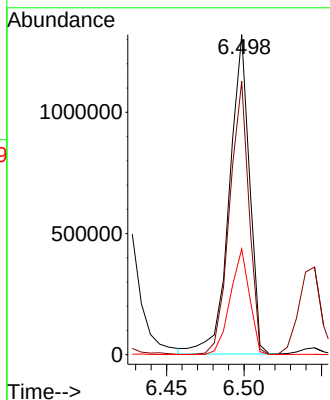
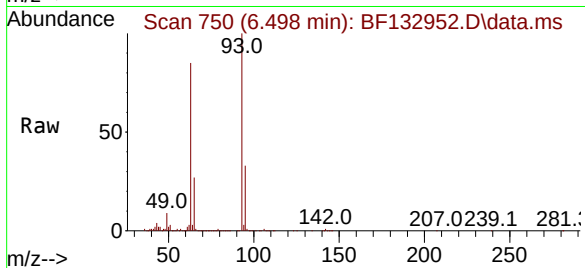
BNA_F

ClientSampleId :

SPA-1WC-23-04MS

Tgt Ion: 93 Resp: 1190731

Ion	Ratio	Lower	Upper
93	100		
63	85.4	66.7	106.7
95	33.0	12.8	52.8



#12

1,3-Dichlorobenzene

Concen: 49.003 ng

RT: 6.698 min Scan# 784

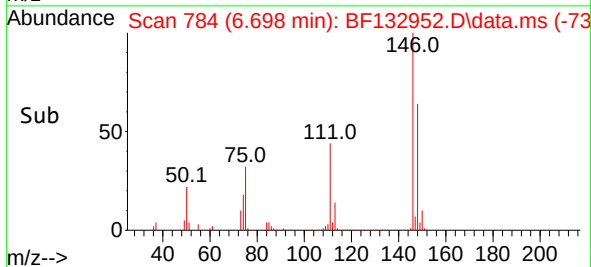
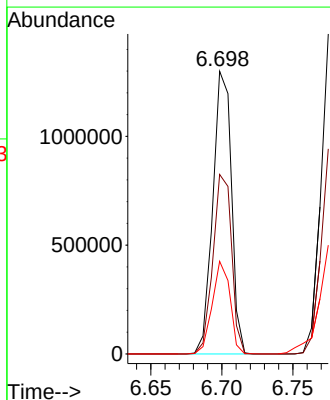
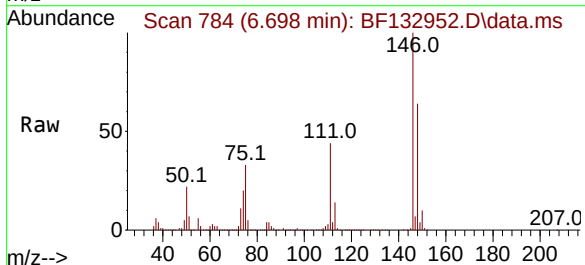
Delta R.T. 0.000 min

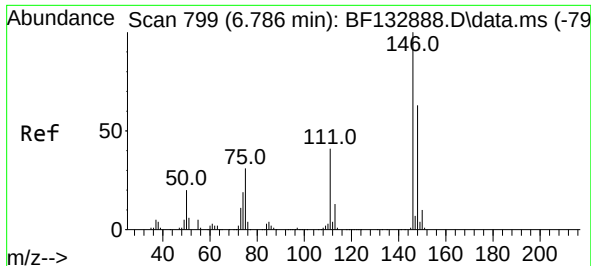
Lab File: BF132952.D

Acq: 20 Apr 2023 23:09

Tgt Ion:146 Resp: 1182345

Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.1	76.7
75	32.8	23.9	35.9





#13

1,4-Dichlorobenzene

Concen: 52.536 ng

RT: 6.775 min Scan# 799

Delta R.T. 0.000 min

Lab File: BF132952.D

Acq: 20 Apr 2023 23:09

Instrument :

BNA_F

ClientSampleId :

SPA-1WC-23-04MS

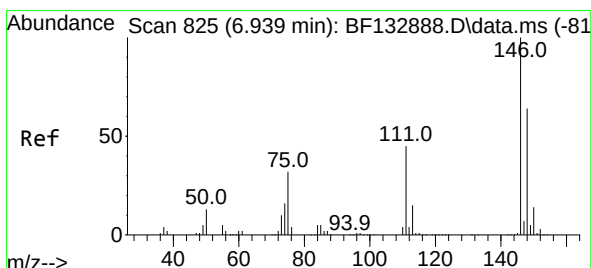
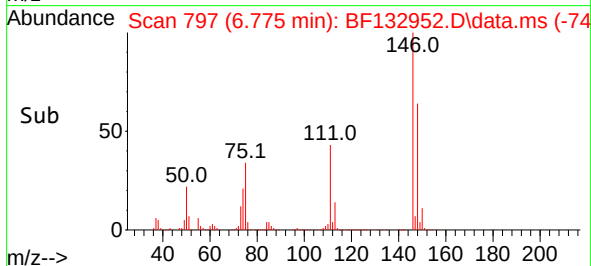
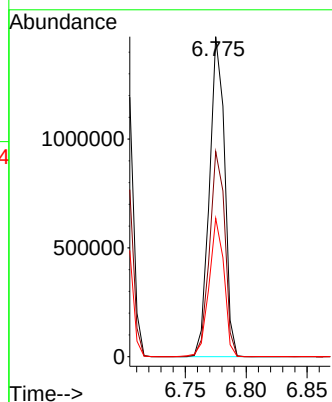
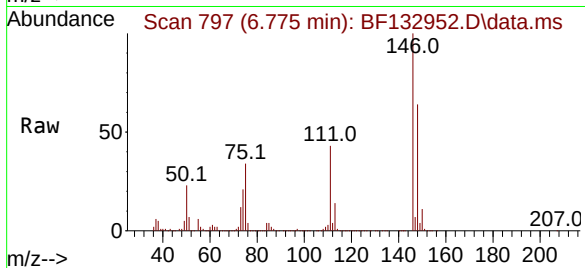
Tgt Ion:146 Resp: 1270131

Ion Ratio Lower Upper

146 100

148 64.1 50.7 76.1

111 43.3 32.5 48.7



#14

1,2-Dichlorobenzene

Concen: 54.537 ng

RT: 6.928 min Scan# 823

Delta R.T. -0.006 min

Lab File: BF132952.D

Acq: 20 Apr 2023 23:09

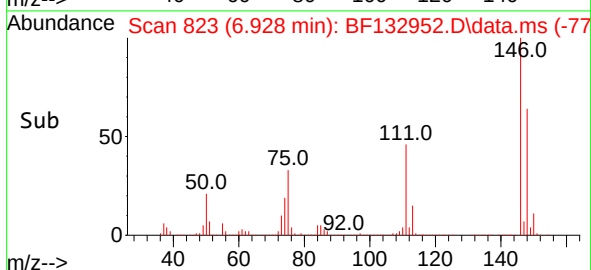
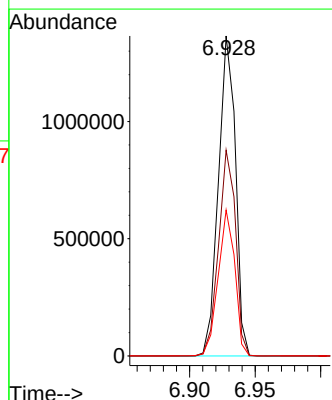
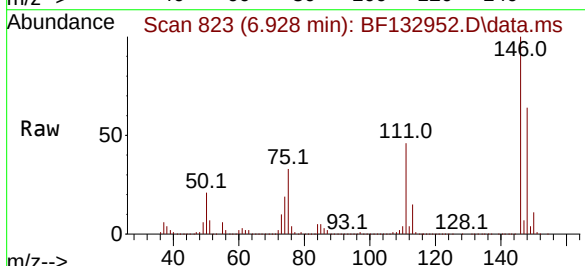
Tgt Ion:146 Resp: 1231093

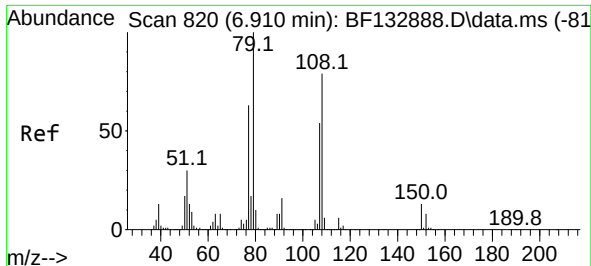
Ion Ratio Lower Upper

146 100

148 64.3 51.3 76.9

111 45.6 36.0 54.0

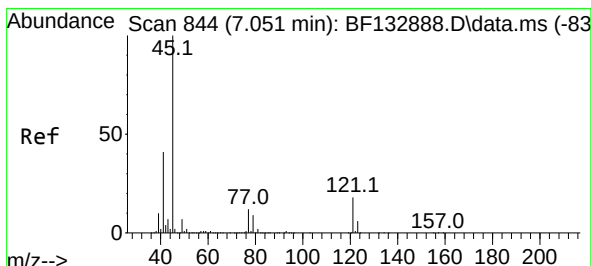
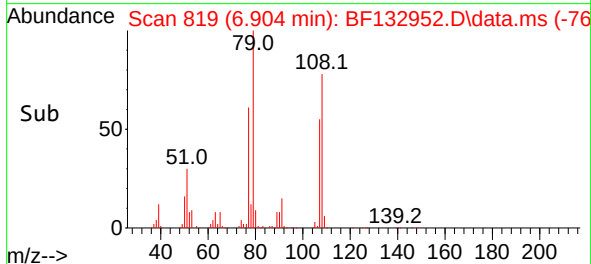
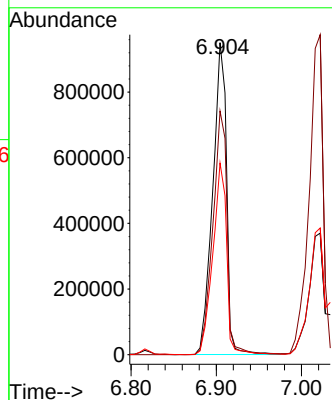
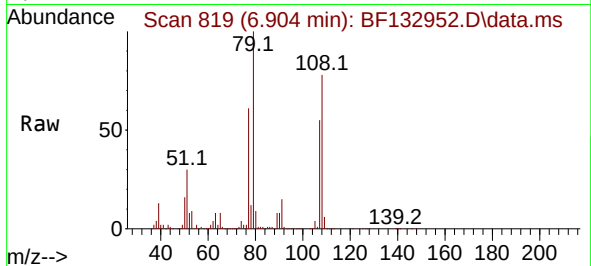




#15
Benzyl Alcohol
Concen: 56.586 ng
RT: 6.904 min Scan# 819
Delta R.T. 0.000 min
Lab File: BF132952.D
Acq: 20 Apr 2023 23:09

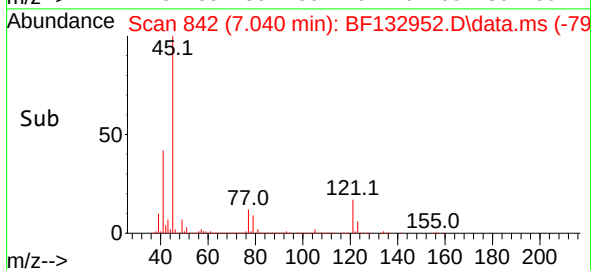
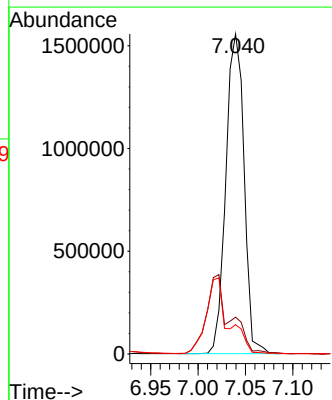
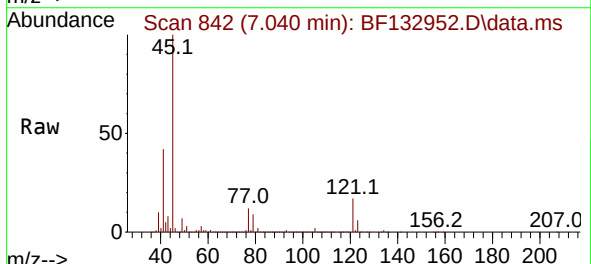
Instrument :
BNA_F
ClientSampleId :
SPA-1WC-23-04MS

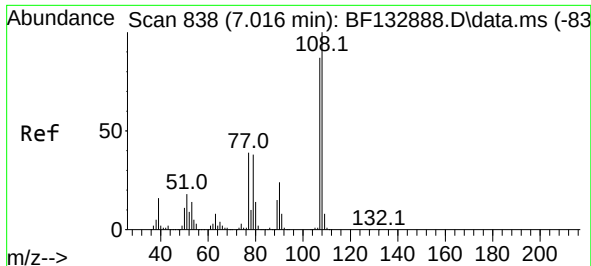
Tgt Ion: 79 Resp: 1070770
Ion Ratio Lower Upper
79 100
108 78.1 63.0 94.6
77 61.5 50.4 75.6



#16
2,2'-oxybis(1-Chloropropane)
Concen: 51.290 ng
RT: 7.040 min Scan# 842
Delta R.T. 0.000 min
Lab File: BF132952.D
Acq: 20 Apr 2023 23:09

Tgt Ion: 45 Resp: 2080820
Ion Ratio Lower Upper
45 100
77 11.5 0.0 31.6
79 9.2 0.0 29.2

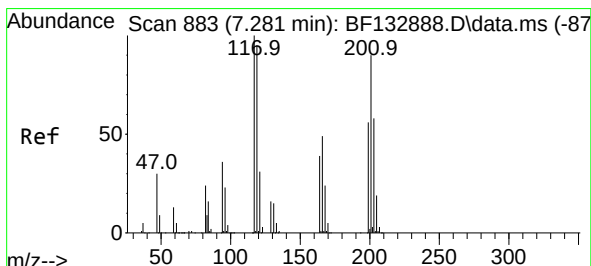
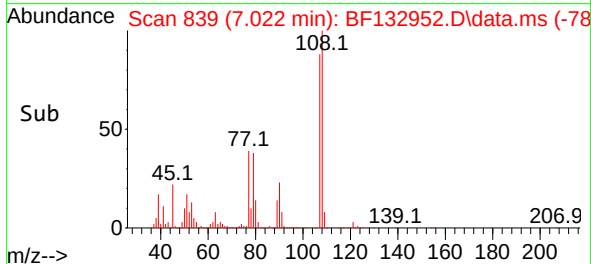
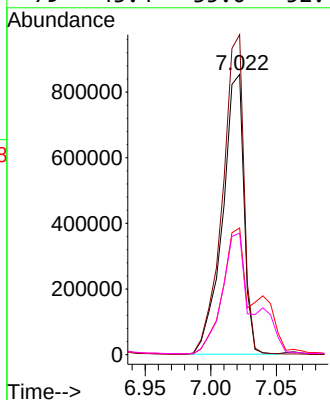
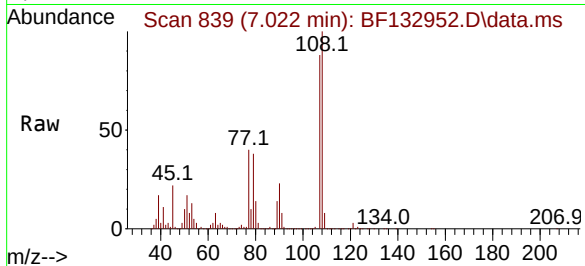




#17
2-Methylphenol
Concen: 48.239 ng
RT: 7.022 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF132952.D
Acq: 20 Apr 2023 23:09

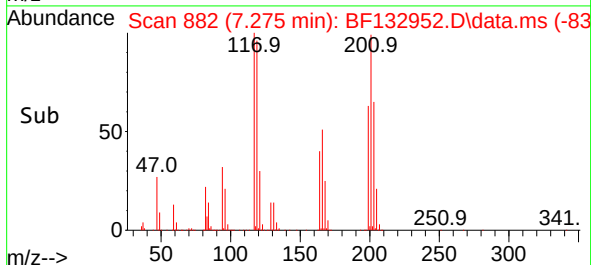
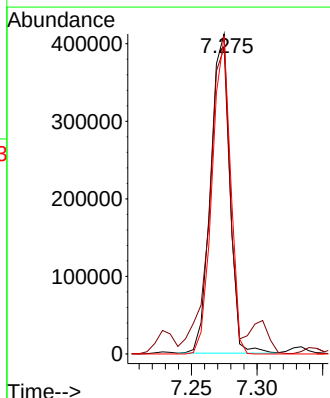
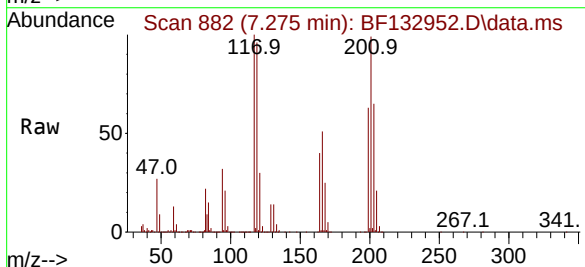
Instrument :
BNA_F
ClientSampleId :
SPA-1WC-23-04MS

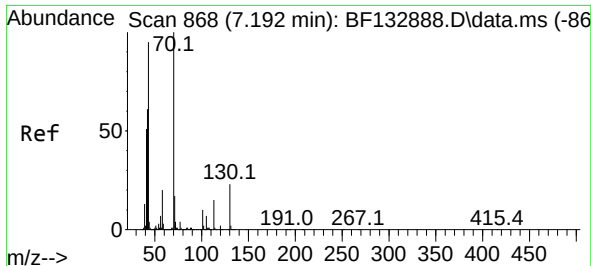
Tgt Ion:107 Resp: 969904
Ion Ratio Lower Upper
107 100
108 114.2 91.7 137.5
77 45.2 35.8 53.8
79 43.4 35.0 52.4



#18
Hexachloroethane
Concen: 49.844 ng
RT: 7.275 min Scan# 882
Delta R.T. 0.000 min
Lab File: BF132952.D
Acq: 20 Apr 2023 23:09

Tgt Ion:117 Resp: 418218
Ion Ratio Lower Upper
117 100
119 95.7 76.1 114.1
201 99.3 71.8 107.6

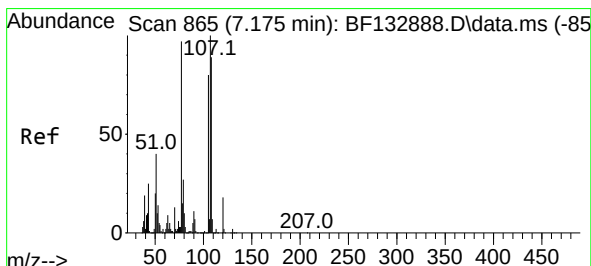
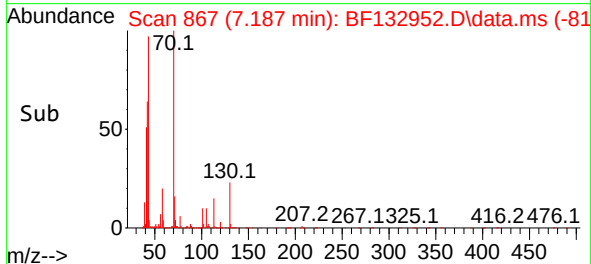
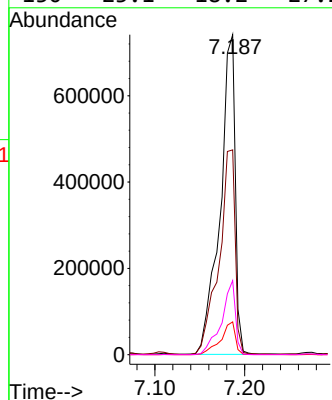
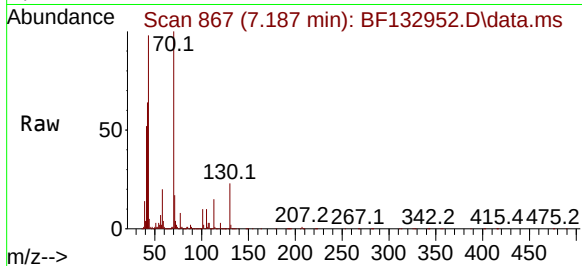




#19
n-Nitroso-di-n-propylamine
Concen: 50.537 ng
RT: 7.187 min Scan# 80
Delta R.T. 0.006 min
Lab File: BF132952.D
Acq: 20 Apr 2023 23:09

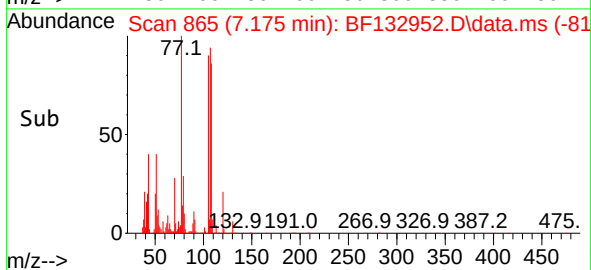
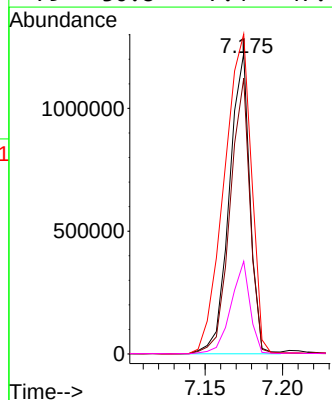
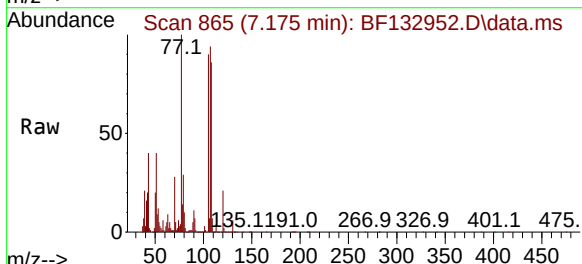
Instrument :
BNA_F
ClientSampleId :
SPA-1WC-23-04MS

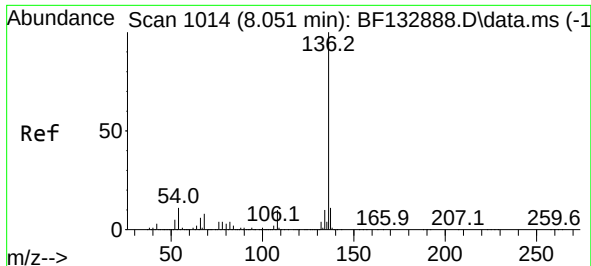
Tgt Ion: 70 Resp: 870984
Ion Ratio Lower Upper
70 100
42 64.0 49.0 73.6
101 10.3 8.1 12.1
130 23.1 18.2 27.2



#20
3+4-Methylphenols
Concen: 47.594 ng
RT: 7.175 min Scan# 865
Delta R.T. 0.006 min
Lab File: BF132952.D
Acq: 20 Apr 2023 23:09

Tgt Ion: 107 Resp: 1131033
Ion Ratio Lower Upper
107 100
108 91.7 68.5 108.5
77 106.4 77.1 117.1
79 30.8 7.4 47.4

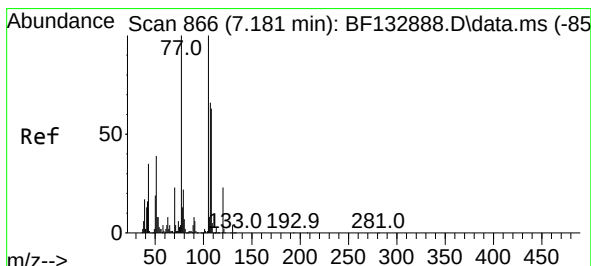
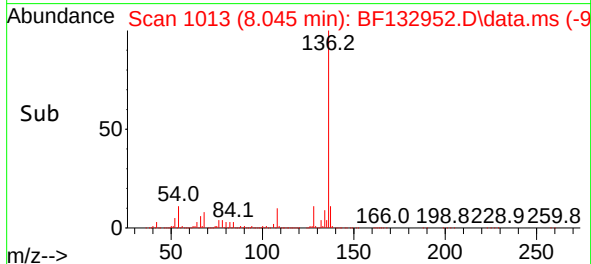
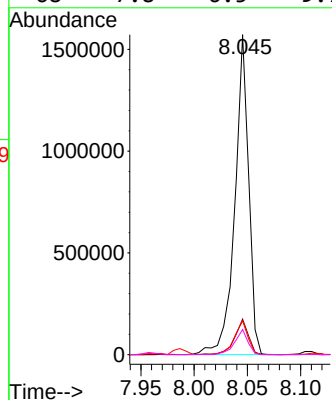
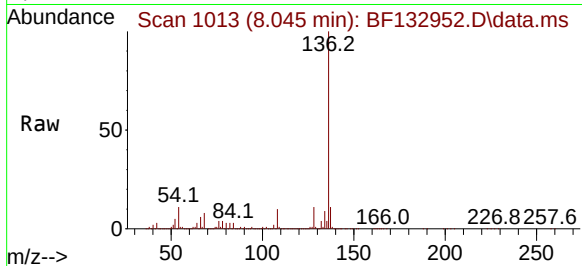




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.045 min Scan# 1014
Delta R.T. 0.000 min
Lab File: BF132952.D
Acq: 20 Apr 2023 23:09

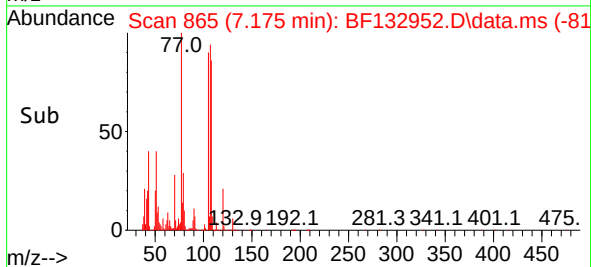
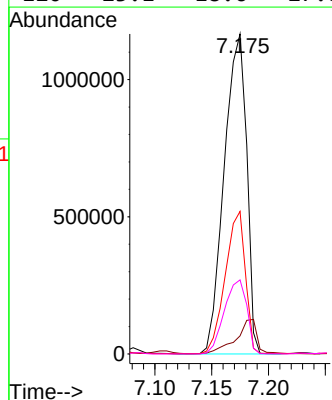
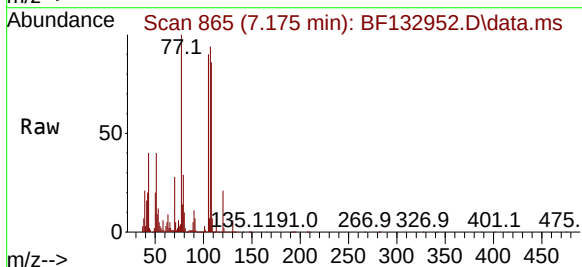
Instrument :
BNA_F
ClientSampleId :
SPA-1WC-23-04MS

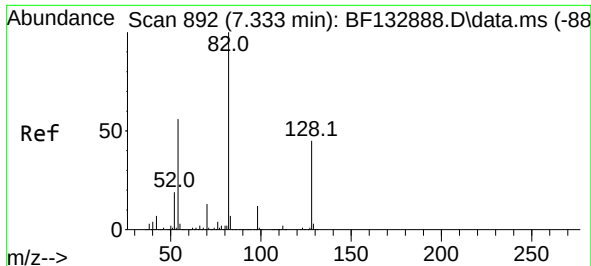
Tgt Ion:136 Resp: 1422402
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.4
54 10.5 8.9 13.3
68 7.8 6.5 9.7



#22
Acetophenone
Concen: 47.955 ng
RT: 7.175 min Scan# 865
Delta R.T. 0.000 min
Lab File: BF132952.D
Acq: 20 Apr 2023 23:09

Tgt Ion:105 Resp: 1600170
Ion Ratio Lower Upper
105 100
71 5.7 3.1 4.7#
51 44.5 31.4 47.2
120 23.1 18.6 27.8





#23

Nitrobenzene-d5

Concen: 88.902 ng

RT: 7.328 min Scan# 891

Delta R.T. 0.000 min

Lab File: BF132952.D

Acq: 20 Apr 2023 23:09

Instrument :

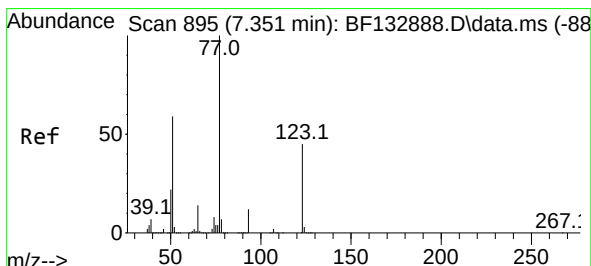
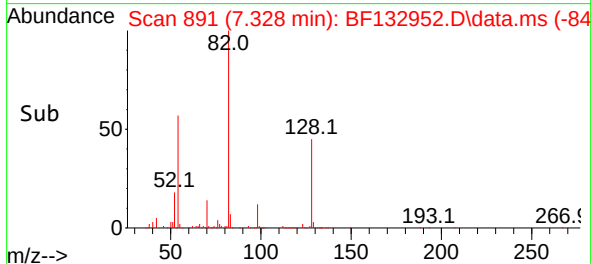
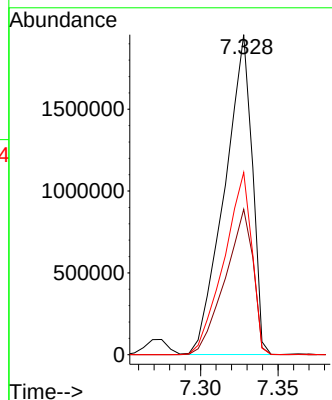
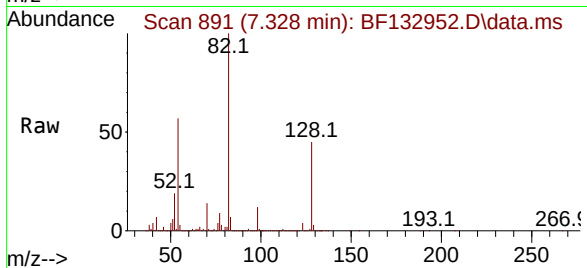
BNA_F

ClientSampleId :

SPA-1WC-23-04MS

Tgt Ion: 82 Resp: 2425992

Ion	Ratio	Lower	Upper
82	100		
128	45.4	35.7	53.5
54	57.0	44.7	67.1



#24

Nitrobenzene

Concen: 45.388 ng

RT: 7.345 min Scan# 894

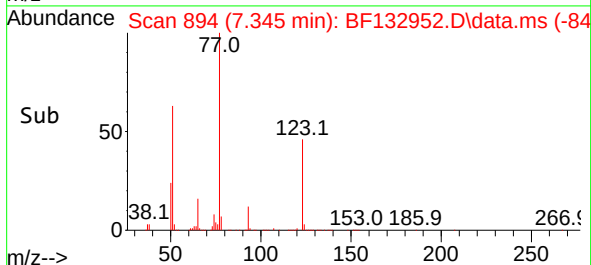
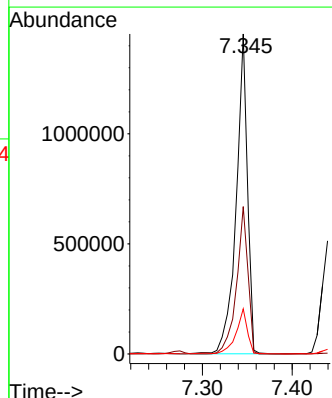
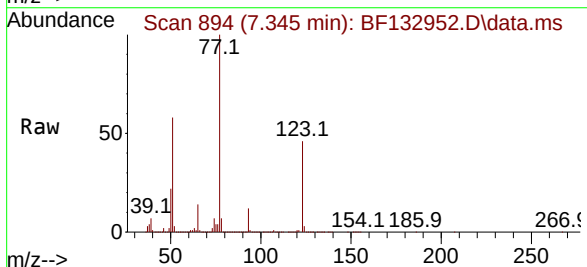
Delta R.T. 0.000 min

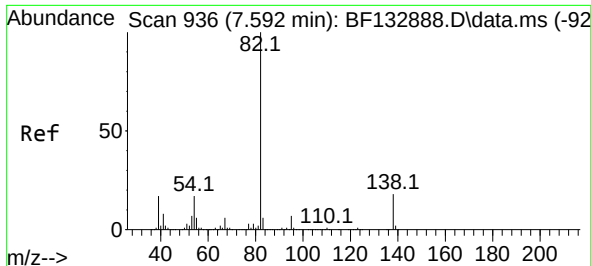
Lab File: BF132952.D

Acq: 20 Apr 2023 23:09

Tgt Ion: 77 Resp: 1269507

Ion	Ratio	Lower	Upper
77	100		
123	46.1	36.3	54.5
65	14.1	11.2	16.8

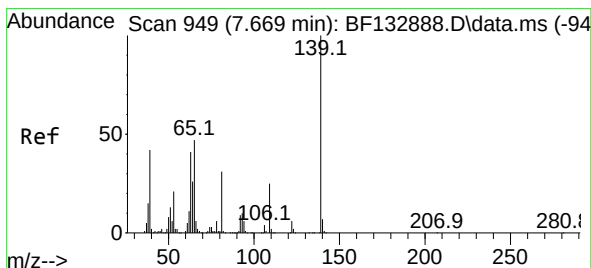
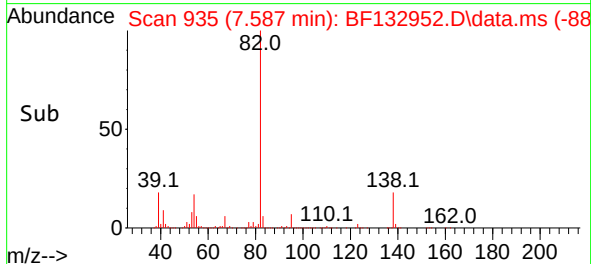
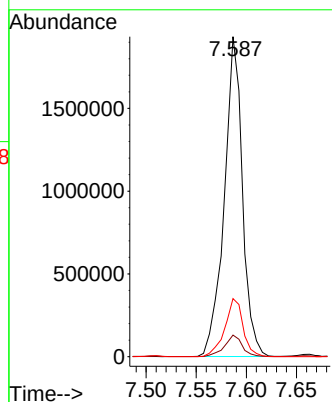
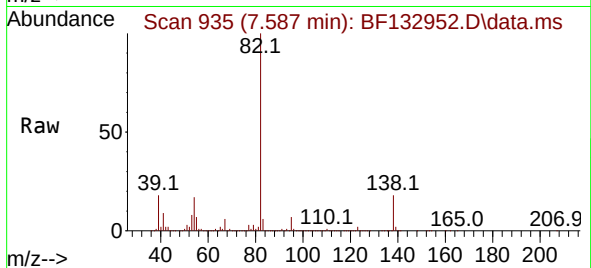




#25
Isophorone
Concen: 46.963 ng
RT: 7.587 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF132952.D
Acq: 20 Apr 2023 23:09

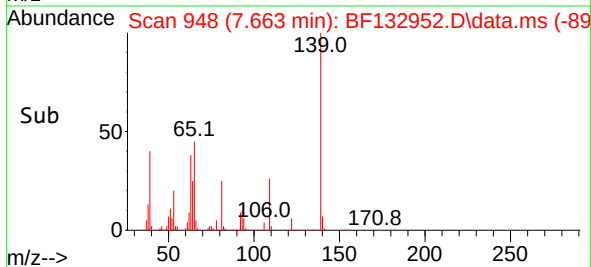
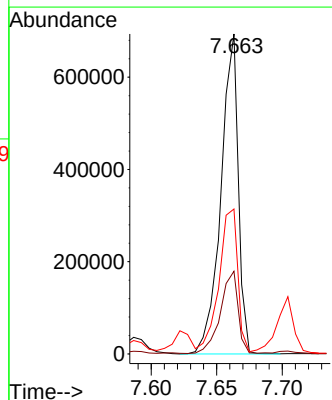
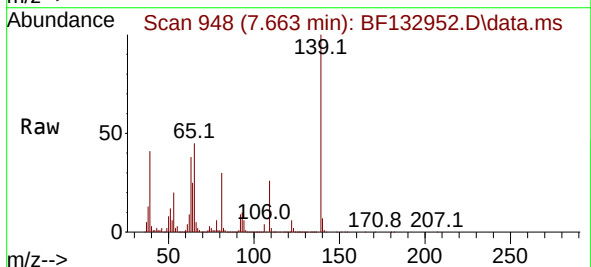
Instrument :
BNA_F
ClientSampleId :
SPA-1WC-23-04MS

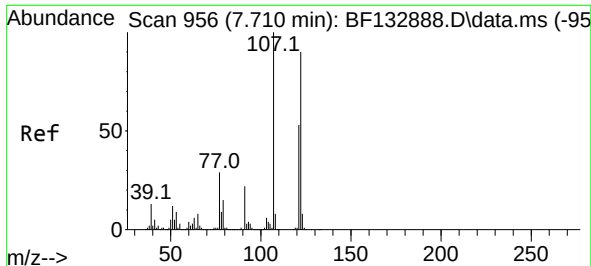
Tgt Ion: 82 Resp: 2430883
Ion Ratio Lower Upper
82 100
95 6.7 5.3 7.9
138 18.2 14.2 21.2



#26
2-Nitrophenol
Concen: 60.490 ng
RT: 7.663 min Scan# 948
Delta R.T. 0.006 min
Lab File: BF132952.D
Acq: 20 Apr 2023 23:09

Tgt Ion: 139 Resp: 638259
Ion Ratio Lower Upper
139 100
109 25.8 20.1 30.1
65 45.3 38.0 57.0

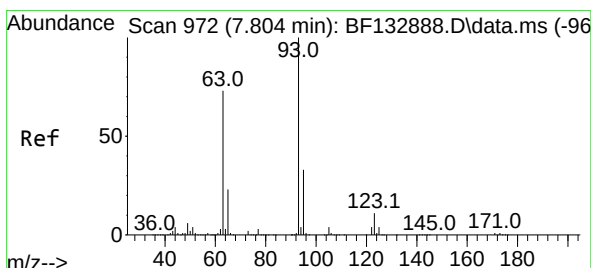
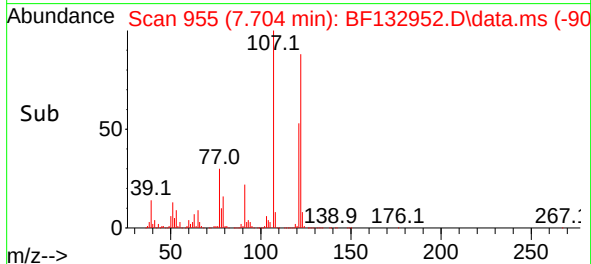
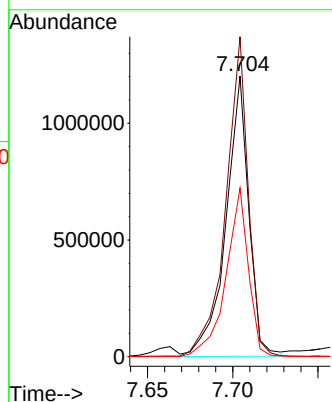
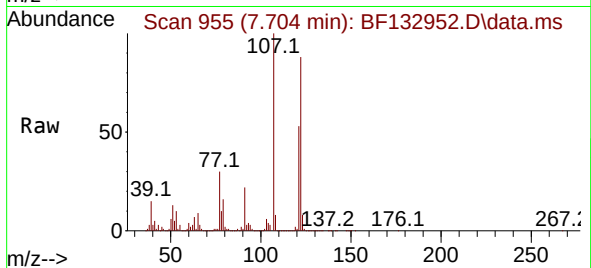




#27
2,4-Dimethylphenol
Concen: 51.908 ng
RT: 7.704 min Scan# 911
Delta R.T. 0.006 min
Lab File: BF132952.D
Acq: 20 Apr 2023 23:09

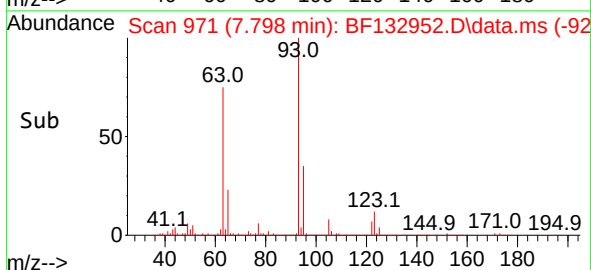
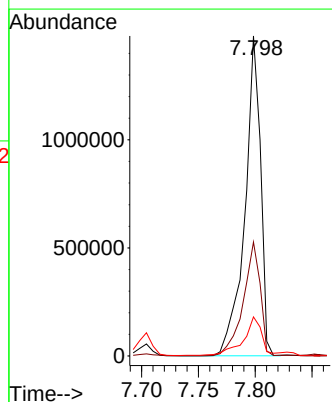
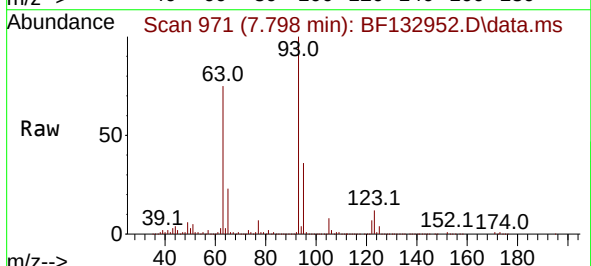
Instrument :
BNA_F
ClientSampleId :
SPA-1WC-23-04MS

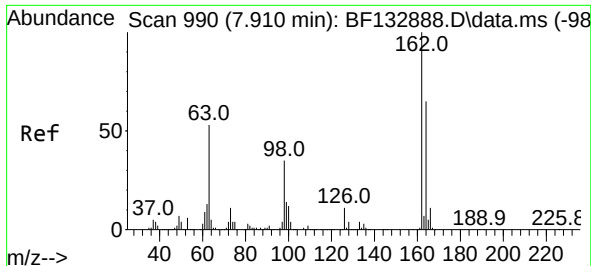
Tgt Ion:122 Resp: 1117265
Ion Ratio Lower Upper
122 100
107 114.1 88.5 132.7
121 60.1 47.2 70.8



#28
bis(2-Chloroethoxy)methane
Concen: 45.886 ng
RT: 7.798 min Scan# 971
Delta R.T. 0.000 min
Lab File: BF132952.D
Acq: 20 Apr 2023 23:09

Tgt Ion: 93 Resp: 1420075
Ion Ratio Lower Upper
93 100
95 35.6 26.3 39.5
123 12.2 9.3 13.9





#29

2,4-Dichlorophenol

Concen: 48.235 ng

RT: 7.904 min Scan# 91

Delta R.T. 0.006 min

Lab File: BF132952.D

Acq: 20 Apr 2023 23:09

Instrument :

BNA_F

ClientSampleId :

SPA-1WC-23-04MS

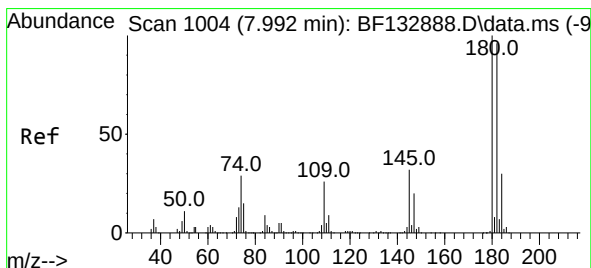
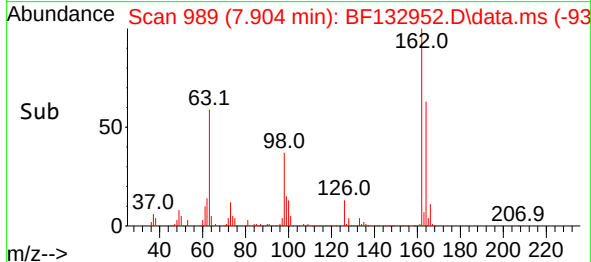
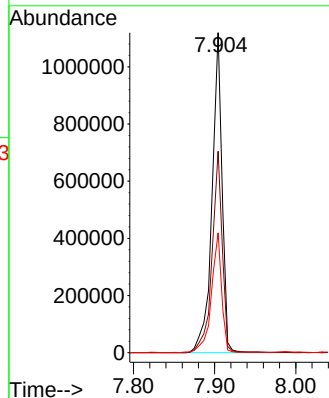
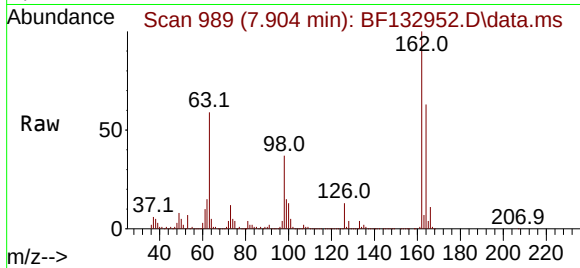
Tgt Ion:162 Resp: 966344

Ion Ratio Lower Upper

162 100

164 63.0 45.2 85.2

98 37.4 14.8 54.8



#30

1,2,4-Trichlorobenzene

Concen: 46.847 ng

RT: 7.987 min Scan# 1003

Delta R.T. 0.000 min

Lab File: BF132952.D

Acq: 20 Apr 2023 23:09

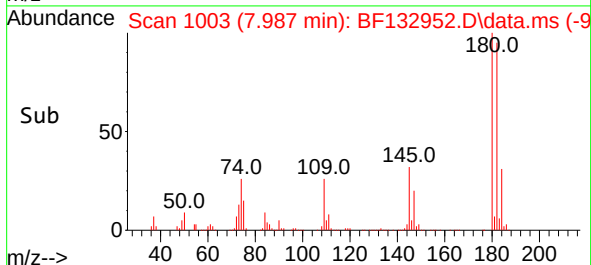
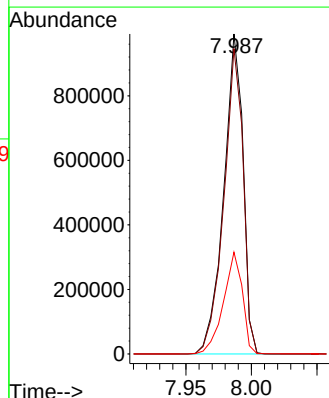
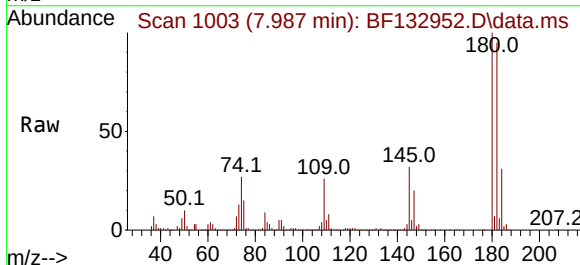
Tgt Ion:180 Resp: 1013382

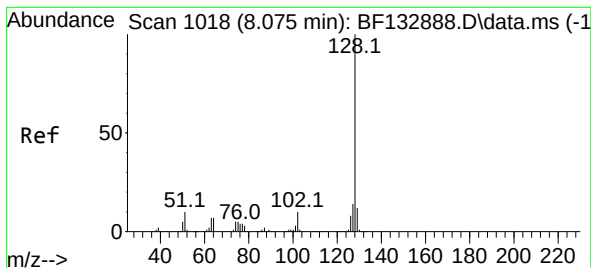
Ion Ratio Lower Upper

180 100

182 95.5 76.6 114.8

145 31.8 25.4 38.0





#31

Naphthalene

Concen: 47.312 ng

RT: 8.069 min Scan# 1018

Delta R.T. 0.000 min

Lab File: BF132952.D

Acq: 20 Apr 2023 23:09

Instrument :

BNA_F

ClientSampleId :

SPA-1WC-23-04MS

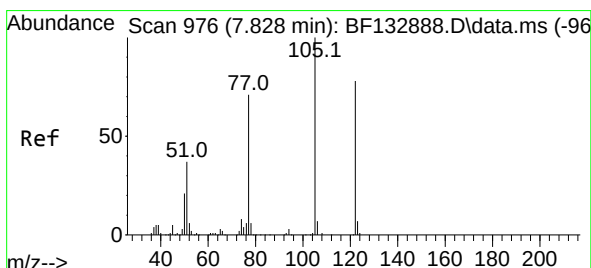
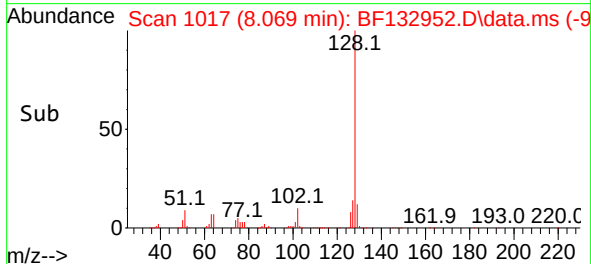
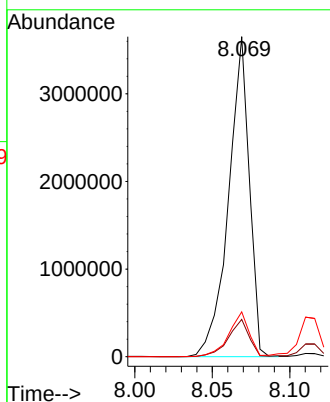
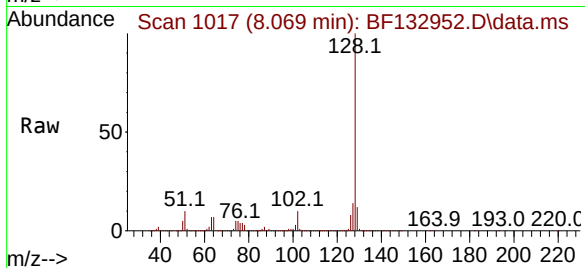
Tgt Ion:128 Resp: 3400725

Ion Ratio Lower Upper

128 100

129 11.7 9.4 14.0

127 14.0 11.0 16.6



#32

Benzoic acid

Concen: 52.036 ng

RT: 7.828 min Scan# 976

Delta R.T. 0.012 min

Lab File: BF132952.D

Acq: 20 Apr 2023 23:09

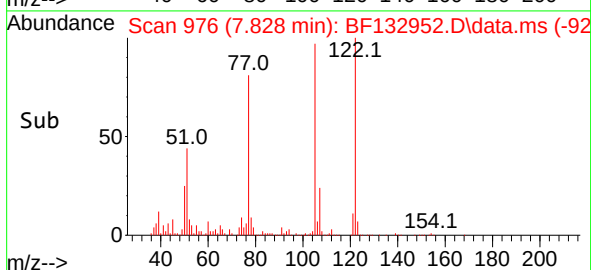
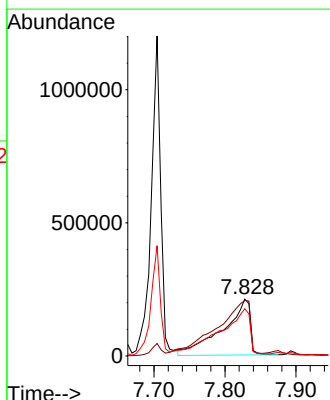
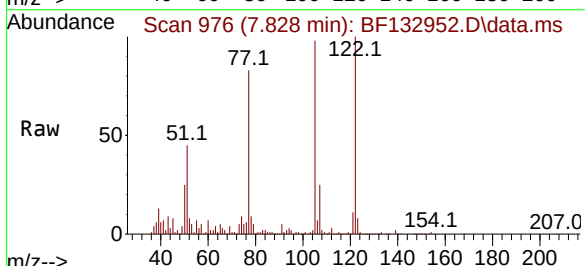
Tgt Ion:122 Resp: 561653

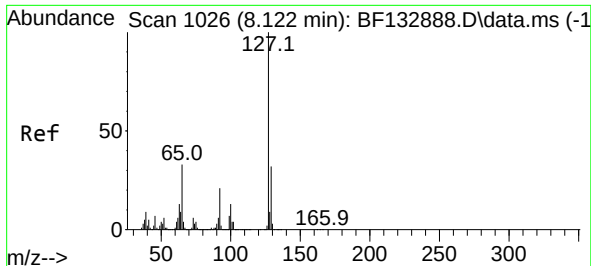
Ion Ratio Lower Upper

122 100

105 97.8 104.5 144.5#

77 83.1 71.2 111.2

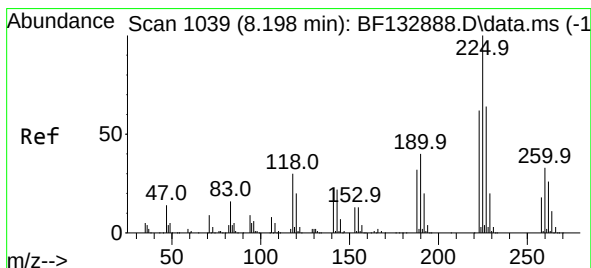
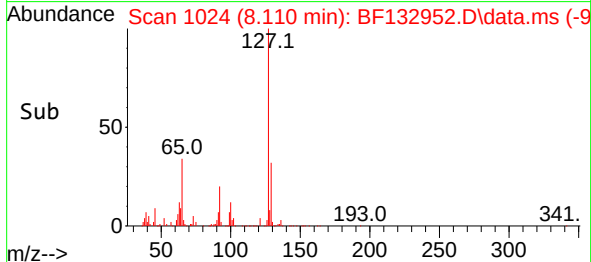
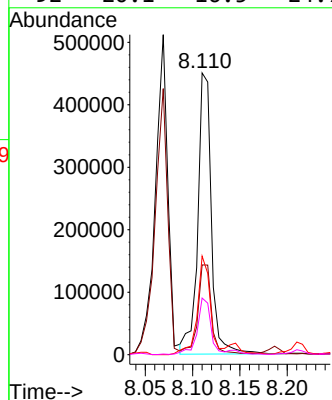
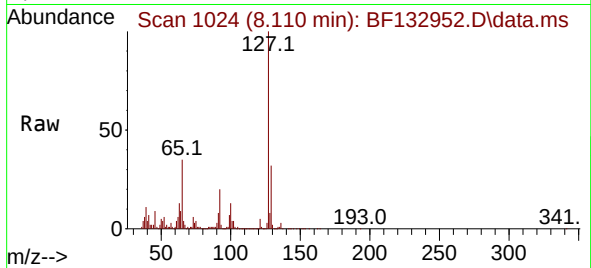




#33
4-Chloroaniline
Concen: 15.346 ng
RT: 8.110 min Scan# 1024
Delta R.T. -0.006 min
Lab File: BF132952.D
Acq: 20 Apr 2023 23:09

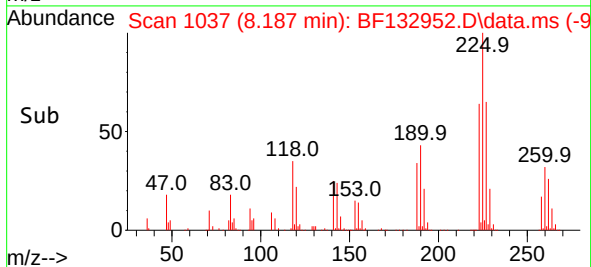
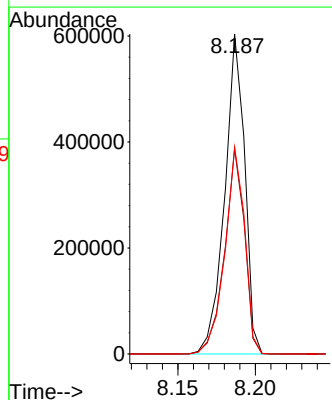
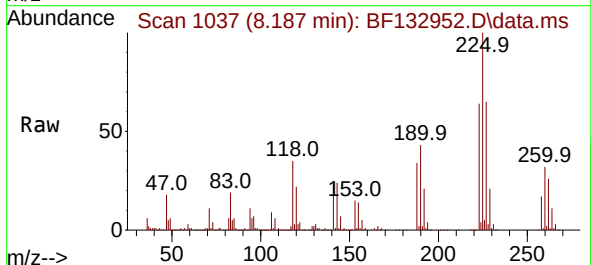
Instrument :
BNA_F
ClientSampleId :
SPA-1WC-23-04MS

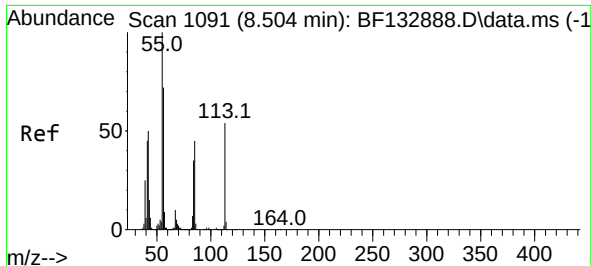
Tgt Ion:127 Resp: 451783
Ion Ratio Lower Upper
127 100
129 31.9 25.9 38.9
65 35.0 26.7 40.1
92 20.1 16.5 24.7



#34
Hexachlorobutadiene
Concen: 43.713 ng
RT: 8.187 min Scan# 1037
Delta R.T. 0.000 min
Lab File: BF132952.D
Acq: 20 Apr 2023 23:09

Tgt Ion:225 Resp: 540956
Ion Ratio Lower Upper
225 100
223 64.0 49.6 74.4
227 64.7 51.6 77.4

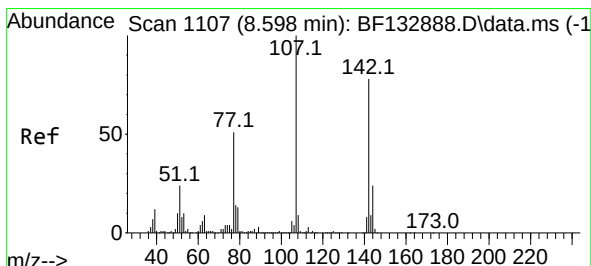
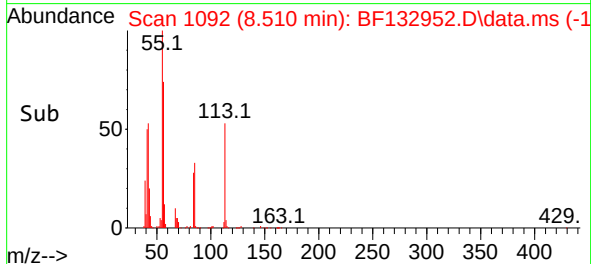
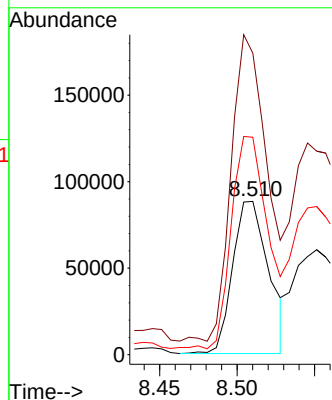
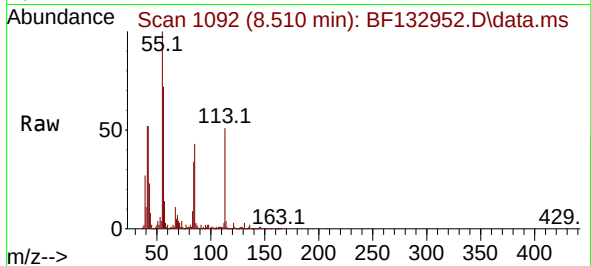




#35
Caprolactam
Concen: 23.718 ng
RT: 8.510 min Scan# 1091
Delta R.T. 0.018 min
Lab File: BF132952.D
Acq: 20 Apr 2023 23:09

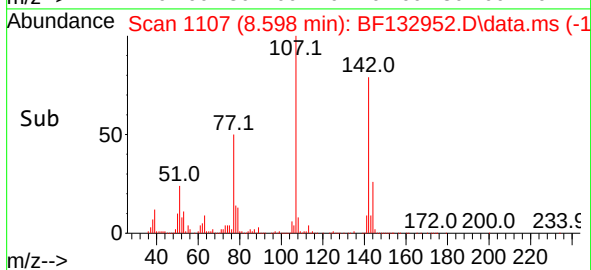
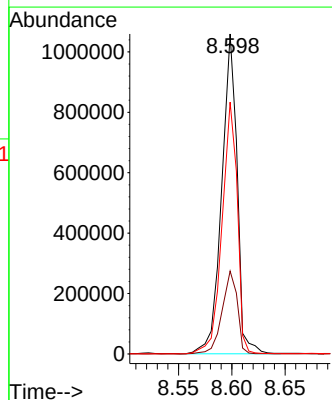
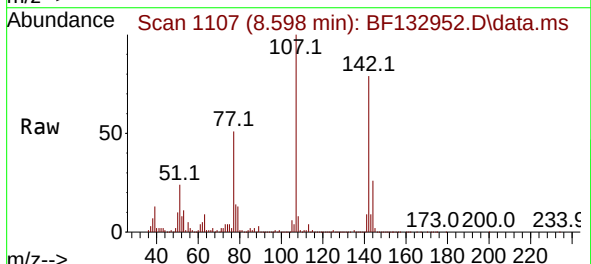
Instrument :
BNA_F
ClientSampleId :
SPA-1WC-23-04MS

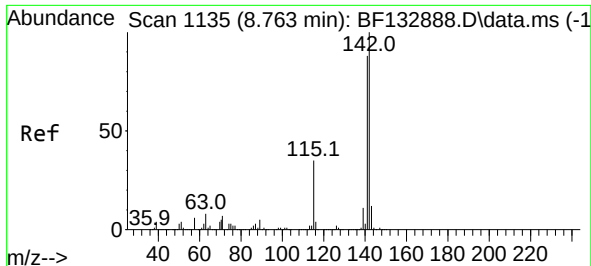
Tgt Ion:113 Resp: 141503
Ion Ratio Lower Upper
113 100
55 196.6 166.0 206.0
56 141.8 114.5 154.5



#36
4-Chloro-3-methylphenol
Concen: 50.524 ng
RT: 8.598 min Scan# 1107
Delta R.T. 0.006 min
Lab File: BF132952.D
Acq: 20 Apr 2023 23:09

Tgt Ion:107 Resp: 1062410
Ion Ratio Lower Upper
107 100
144 25.9 19.4 29.0
142 78.7 62.2 93.2





#37

2-Methylnaphthalene

Concen: 44.227 ng

RT: 8.763 min Scan# 1135

Delta R.T. 0.006 min

Lab File: BF132952.D

Acq: 20 Apr 2023 23:09

Instrument :

BNA_F

ClientSampleId :

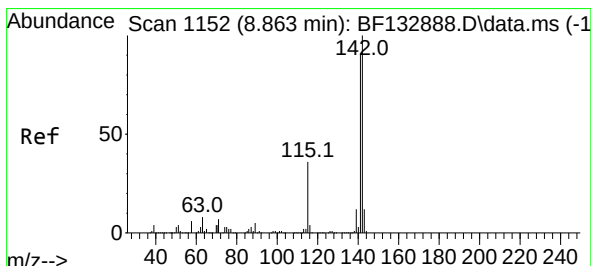
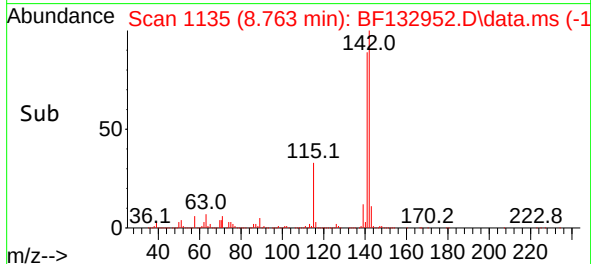
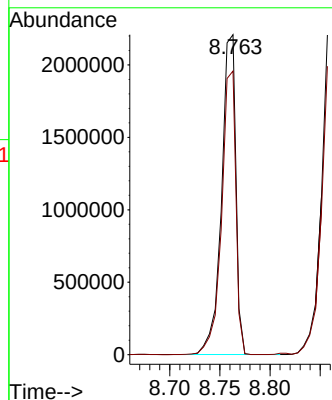
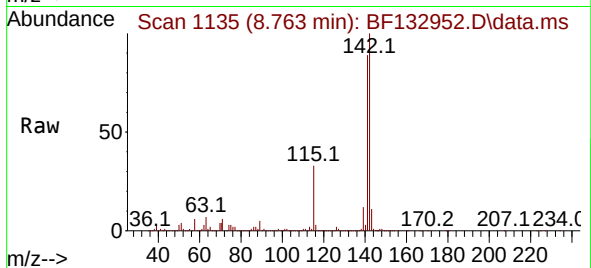
SPA-1WC-23-04MS

Tgt Ion:142 Resp: 2188120

Ion Ratio Lower Upper

142 100

141 88.6 70.4 105.6



#38

1-Methylnaphthalene

Concen: 44.601 ng

RT: 8.857 min Scan# 1151

Delta R.T. 0.000 min

Lab File: BF132952.D

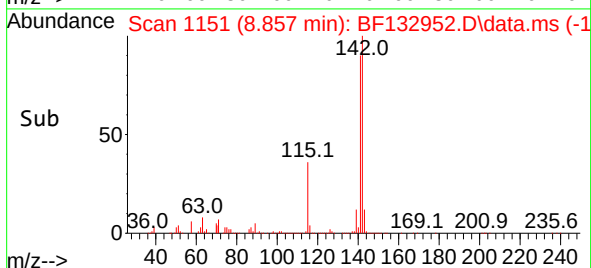
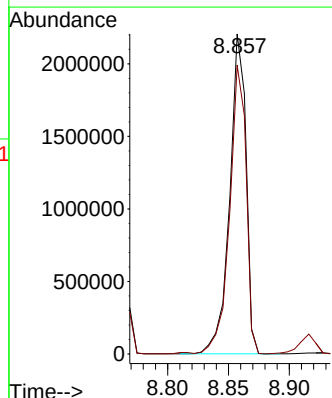
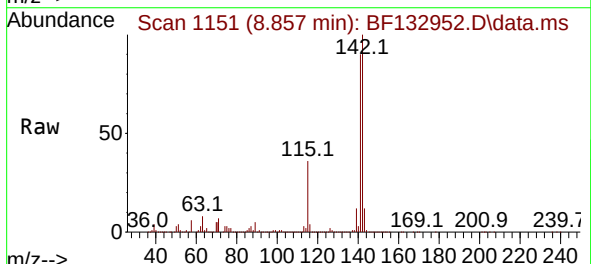
Acq: 20 Apr 2023 23:09

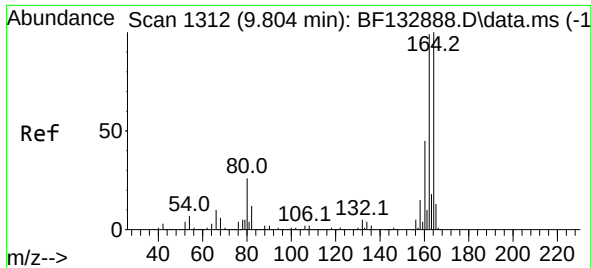
Tgt Ion:142 Resp: 2056053

Ion Ratio Lower Upper

142 100

141 90.3 72.6 109.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.798 min Scan# 1163

Delta R.T. 0.000 min

Lab File: BF132952.D

Acq: 20 Apr 2023 23:09

Instrument :

BNA_F

ClientSampleId :

SPA-1WC-23-04MS

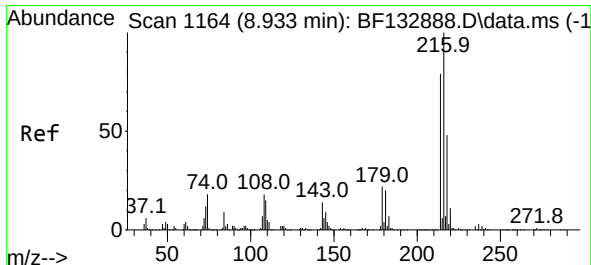
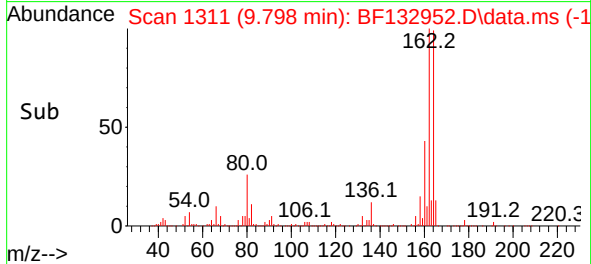
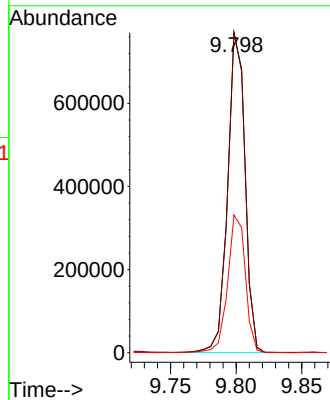
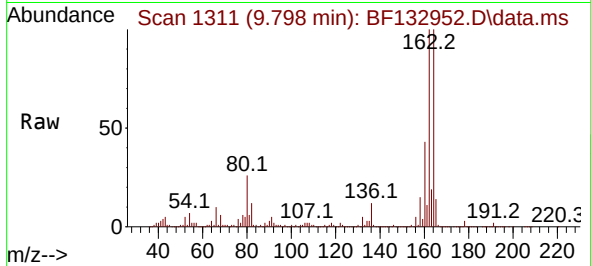
Tgt Ion:164 Resp: 708115

Ion Ratio Lower Upper

164 100

162 100.0 79.1 118.7

160 43.0 35.6 53.4



#40

1,2,4,5-Tetrachlorobenzene

Concen: 44.961 ng

RT: 8.928 min Scan# 1163

Delta R.T. 0.006 min

Lab File: BF132952.D

Acq: 20 Apr 2023 23:09

Tgt Ion:216 Resp: 900511

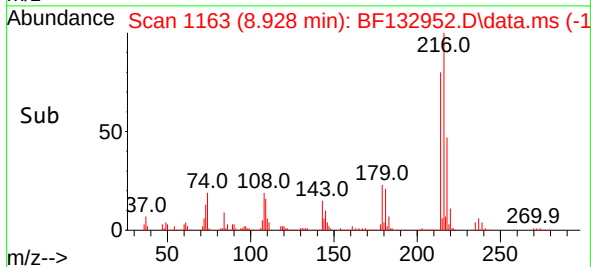
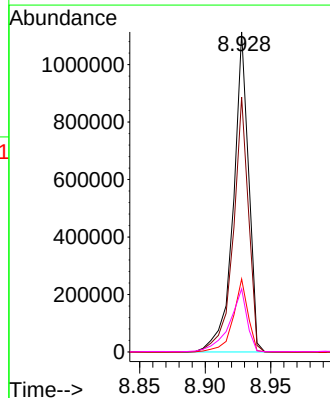
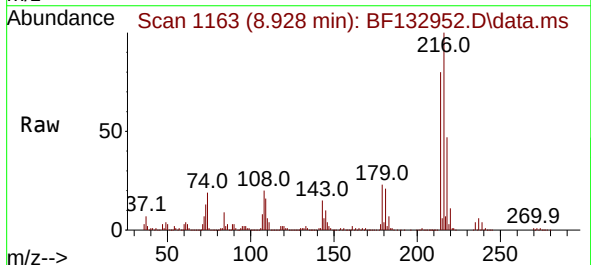
Ion Ratio Lower Upper

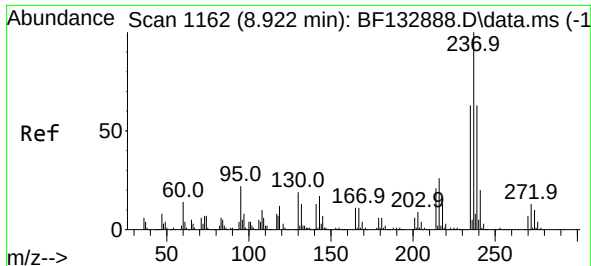
216 100

214 79.3 63.1 94.7

179 22.2 17.4 26.2

108 22.6 16.4 24.6

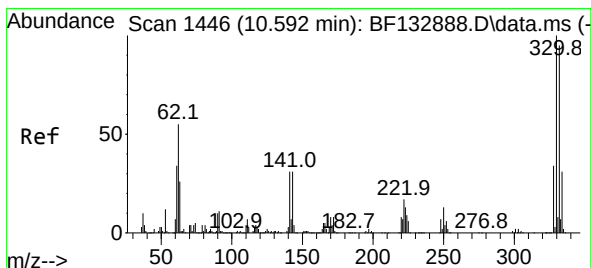
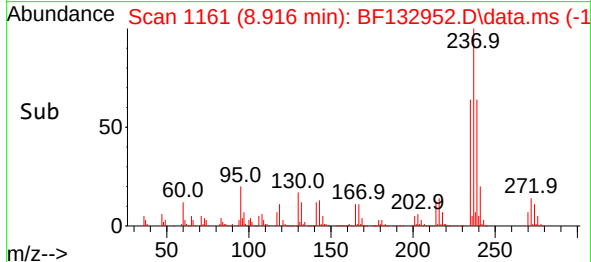
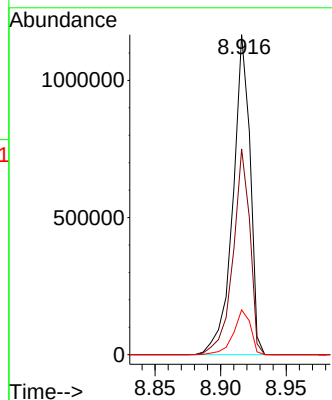
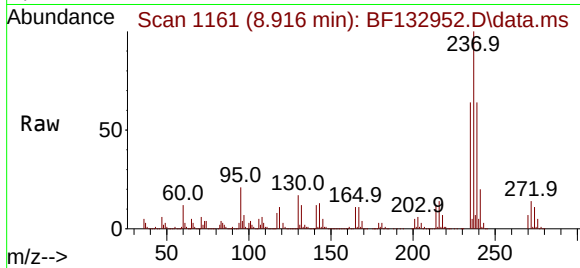




#41
Hexachlorocyclopentadiene
Concen: 100.702 ng
RT: 8.916 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BF132952.D
Acq: 20 Apr 2023 23:09

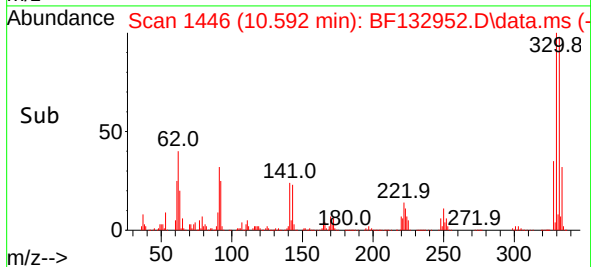
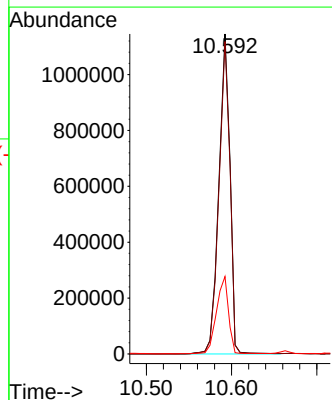
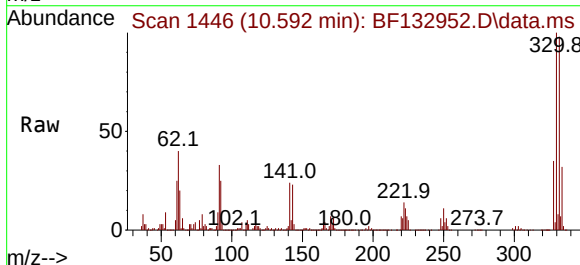
Instrument :
BNA_F
ClientSampleId :
SPA-1WC-23-04MS

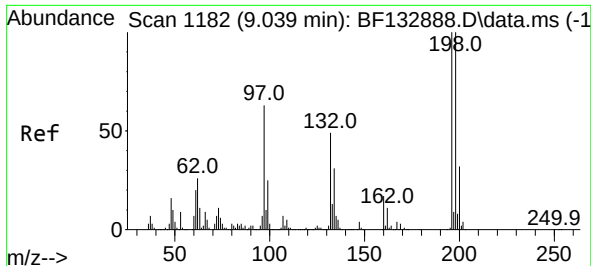
Tgt Ion:237 Resp: 1063087
Ion Ratio Lower Upper
237 100
235 64.3 43.2 83.2
272 14.0 0.0 32.8



#42
2,4,6-Tribromophenol
Concen: 146.215 ng
RT: 10.592 min Scan# 1446
Delta R.T. 0.006 min
Lab File: BF132952.D
Acq: 20 Apr 2023 23:09

Tgt Ion:330 Resp: 1038481
Ion Ratio Lower Upper
330 100
332 96.9 76.3 114.5
141 26.1 23.9 35.9

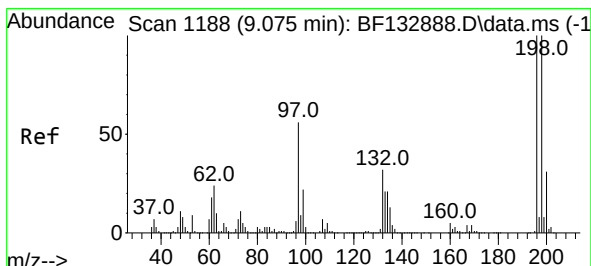
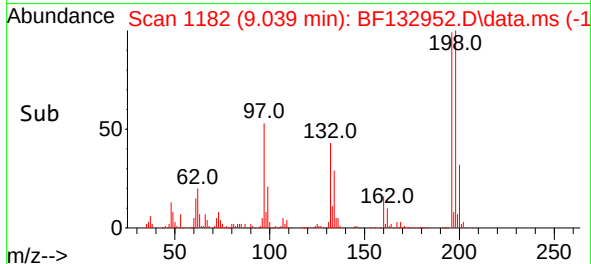
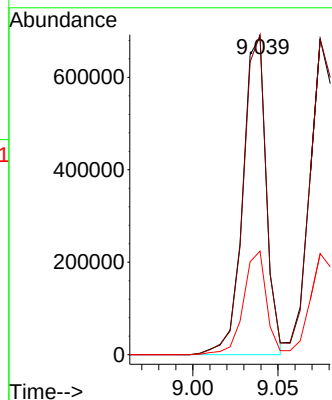
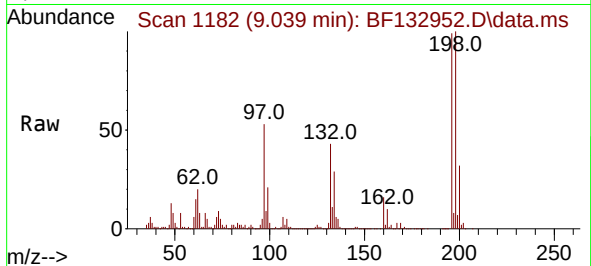




#43
2,4,6-Trichlorophenol
Concen: 51.839 ng
RT: 9.039 min Scan# 1182
Delta R.T. 0.006 min
Lab File: BF132952.D
Acq: 20 Apr 2023 23:09

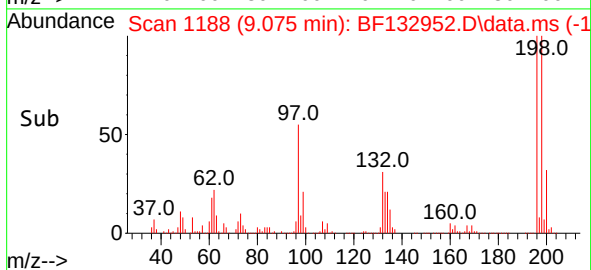
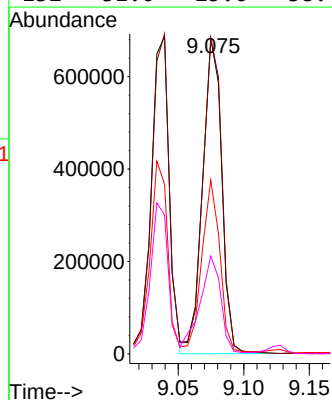
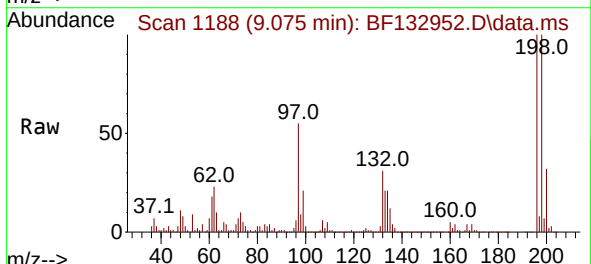
Instrument :
BNA_F
ClientSampleId :
SPA-1WC-23-04MS

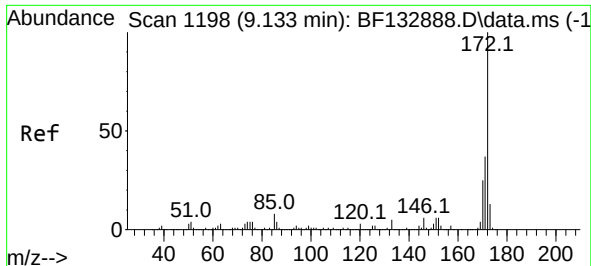
Tgt Ion:196 Resp: 658163
Ion Ratio Lower Upper
196 100
198 100.8 79.8 119.6
200 32.6 25.4 38.2



#44
2,4,5-Trichlorophenol
Concen: 46.765 ng
RT: 9.075 min Scan# 1188
Delta R.T. 0.006 min
Lab File: BF132952.D
Acq: 20 Apr 2023 23:09

Tgt Ion:196 Resp: 694292
Ion Ratio Lower Upper
196 100
198 100.0 80.2 120.2
97 55.1 45.0 67.6
132 31.0 25.6 38.4





#45

2-Fluorobiphenyl

Concen: 82.467 ng

RT: 9.128 min Scan# 1198

Delta R.T. 0.006 min

Lab File: BF132952.D

Acq: 20 Apr 2023 23:09

Instrument :

BNA_F

ClientSampleId :

SPA-1WC-23-04MS

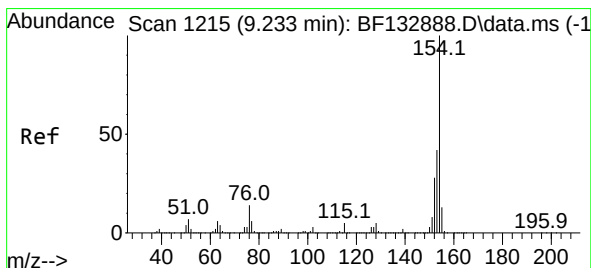
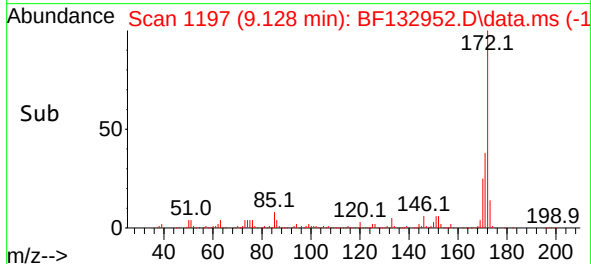
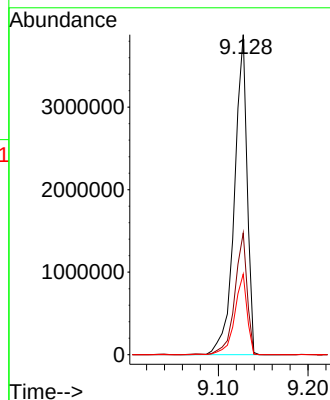
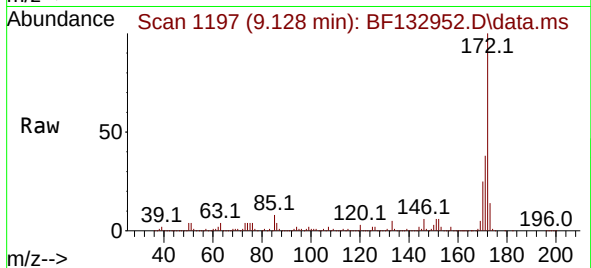
Tgt Ion:172 Resp: 3801283

Ion Ratio Lower Upper

172 100

171 38.1 29.4 44.0

170 25.2 20.1 30.1



#46

1,1'-Biphenyl

Concen: 45.689 ng

RT: 9.228 min Scan# 1214

Delta R.T. 0.006 min

Lab File: BF132952.D

Acq: 20 Apr 2023 23:09

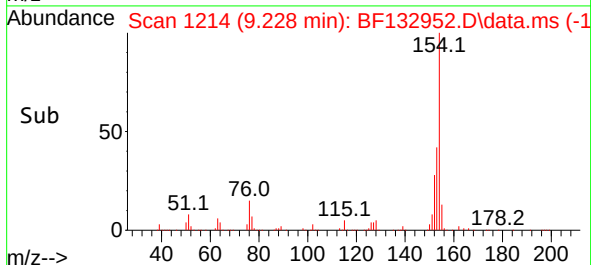
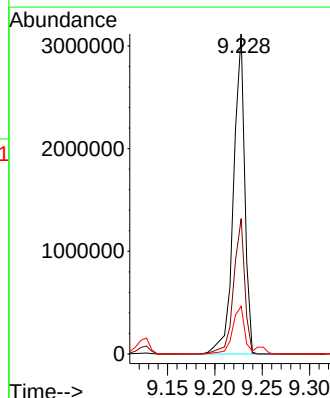
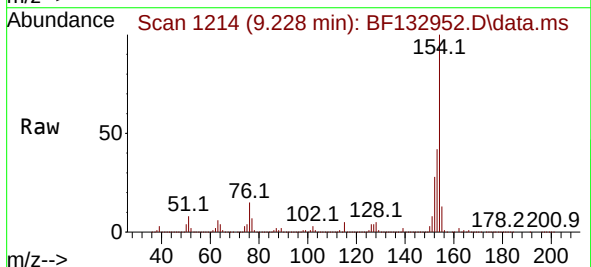
Tgt Ion:154 Resp: 2564753

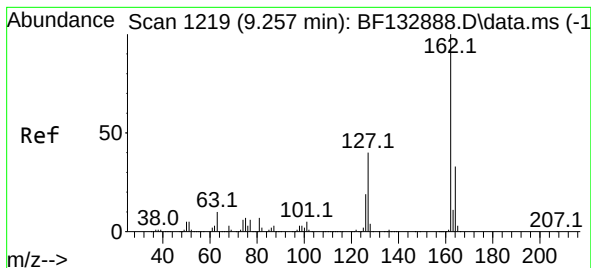
Ion Ratio Lower Upper

154 100

153 42.3 21.8 61.8

76 14.9 0.0 34.0





#47

2-Chloronaphthalene

Concen: 47.339 ng

RT: 9.251 min Scan# 1218

Delta R.T. 0.006 min

Lab File: BF132952.D

Acq: 20 Apr 2023 23:09

Instrument :

BNA_F

ClientSampleId :

SPA-1WC-23-04MS

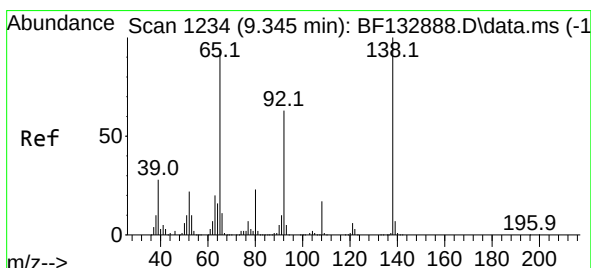
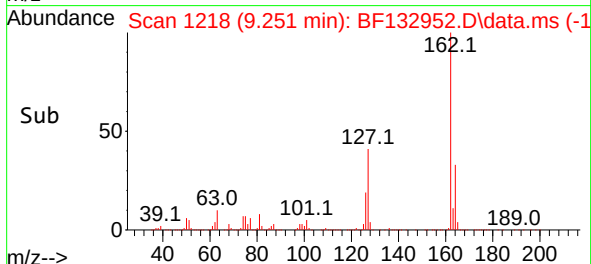
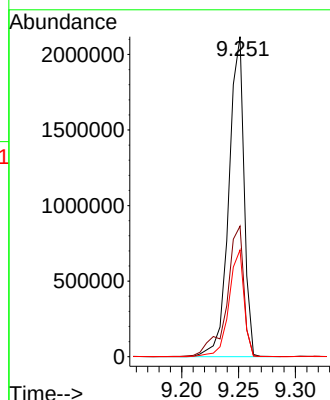
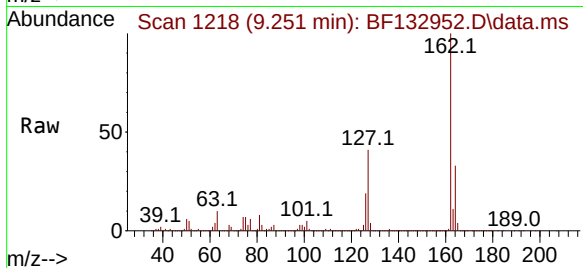
Tgt Ion:162 Resp: 1966503

Ion Ratio Lower Upper

162 100

127 40.8 32.2 48.2

164 33.4 26.5 39.7



#48

2-Nitroaniline

Concen: 59.094 ng

RT: 9.339 min Scan# 1233

Delta R.T. 0.000 min

Lab File: BF132952.D

Acq: 20 Apr 2023 23:09

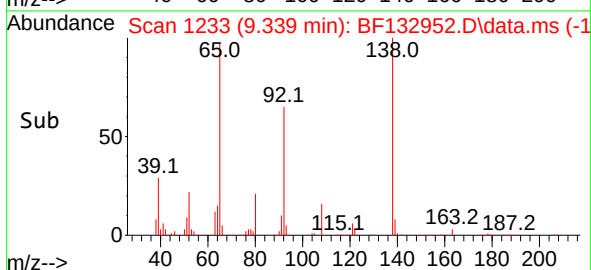
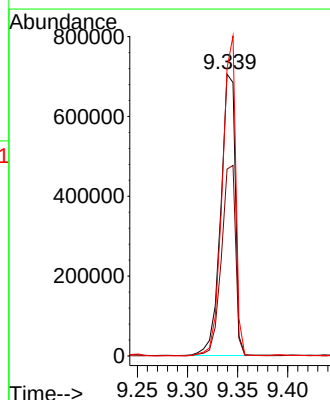
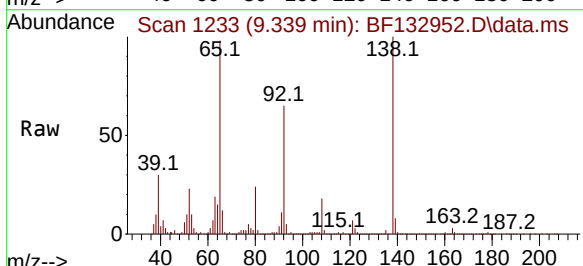
Tgt Ion: 65 Resp: 710162

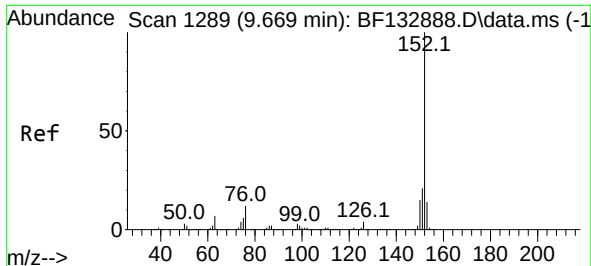
Ion Ratio Lower Upper

65 100

92 66.3 53.5 80.3

138 102.1 84.8 127.2

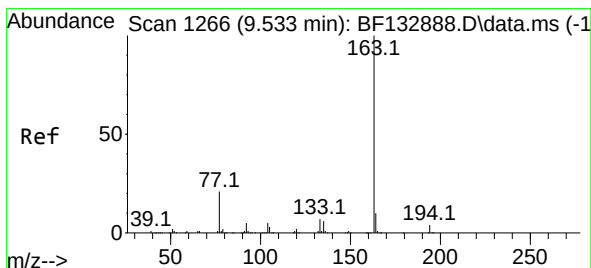
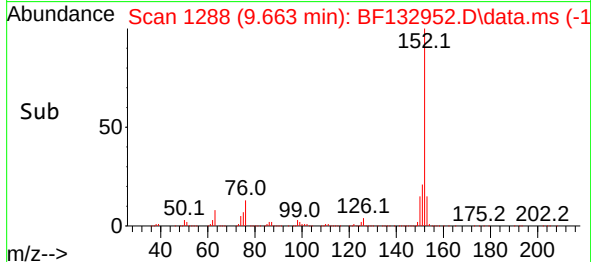
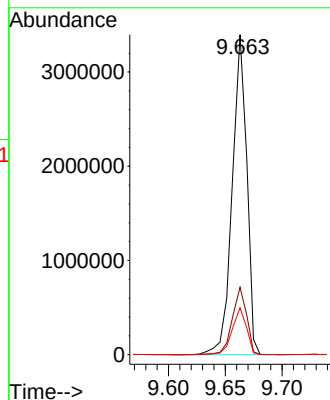
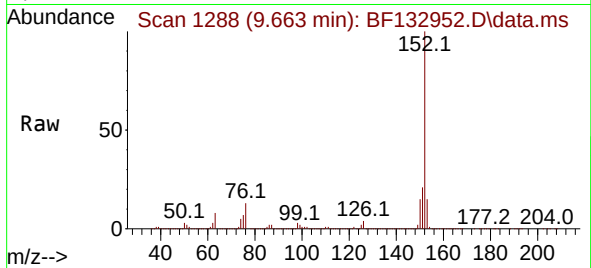




#49
Acenaphthylene
Concen: 45.431 ng
RT: 9.663 min Scan# 1289
Delta R.T. 0.000 min
Lab File: BF132952.D
Acq: 20 Apr 2023 23:09

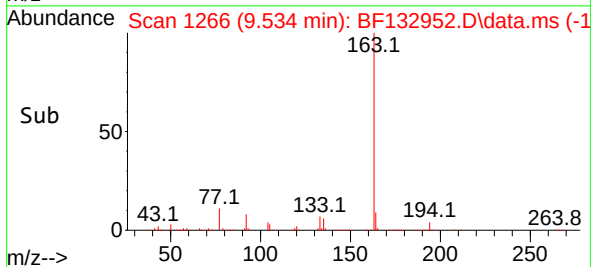
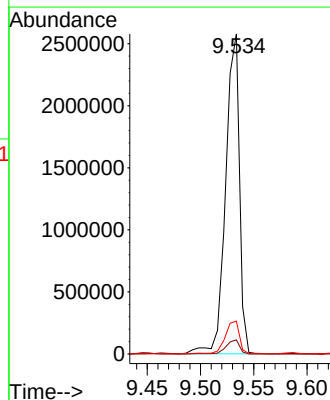
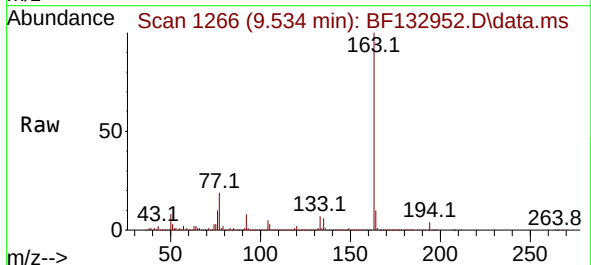
Instrument :
BNA_F
ClientSampleId :
SPA-1WC-23-04MS

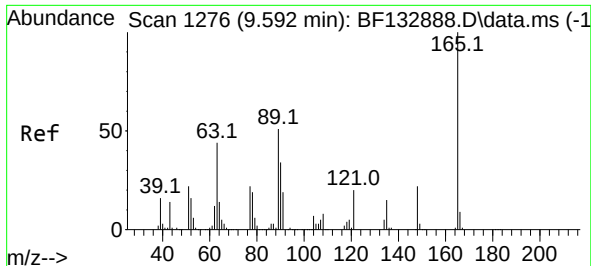
Tgt Ion:152 Resp: 3010043
Ion Ratio Lower Upper
152 100
151 21.1 16.4 24.6
153 14.6 11.4 17.0



#50
Dimethylphthalate
Concen: 47.439 ng
RT: 9.534 min Scan# 1266
Delta R.T. 0.006 min
Lab File: BF132952.D
Acq: 20 Apr 2023 23:09

Tgt Ion:163 Resp: 2322444
Ion Ratio Lower Upper
163 100
194 4.4 3.4 5.0
164 10.3 8.3 12.5

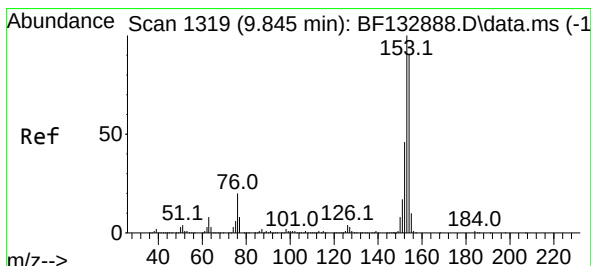
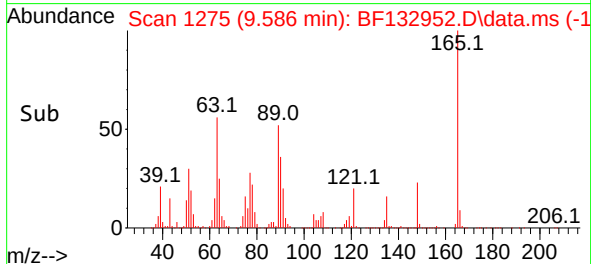
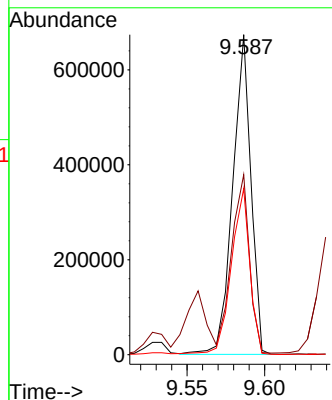
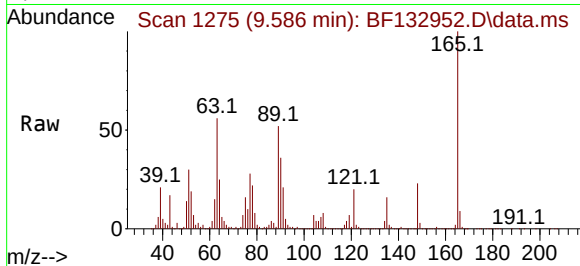




#51
2,6-Dinitrotoluene
Concen: 51.216 ng
RT: 9.586 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF132952.D
Acq: 20 Apr 2023 23:09

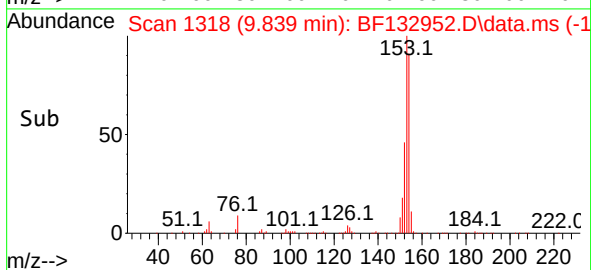
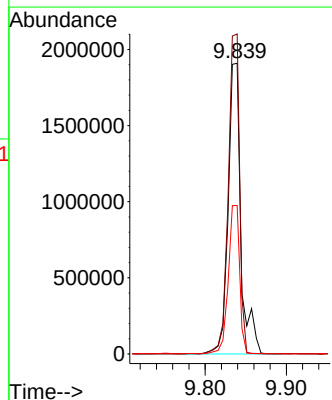
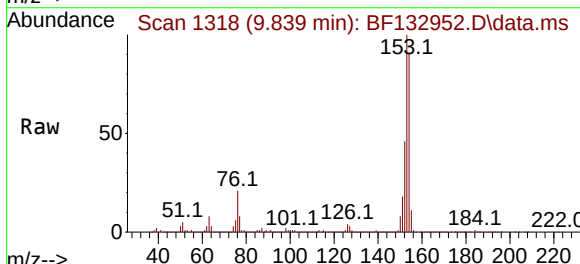
Instrument :
BNA_F
ClientSampleId :
SPA-1WC-23-04MS

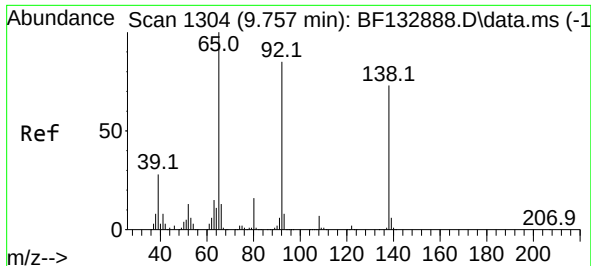
Tgt Ion:165 Resp: 549737
Ion Ratio Lower Upper
165 100
63 56.2 42.6 63.8
89 51.9 41.0 61.4



#52
Acenaphthene
Concen: 49.046 ng
RT: 9.839 min Scan# 1318
Delta R.T. 0.006 min
Lab File: BF132952.D
Acq: 20 Apr 2023 23:09

Tgt Ion:154 Resp: 2094036
Ion Ratio Lower Upper
154 100
153 110.1 88.8 133.2
152 51.1 41.2 61.8

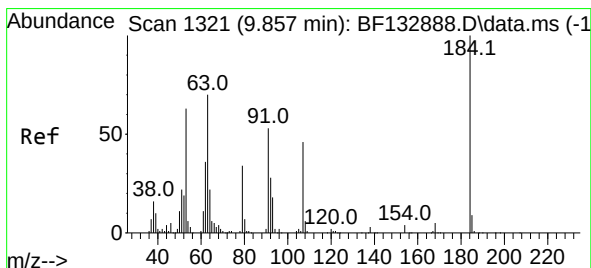
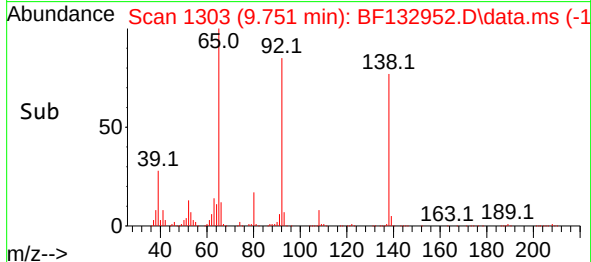
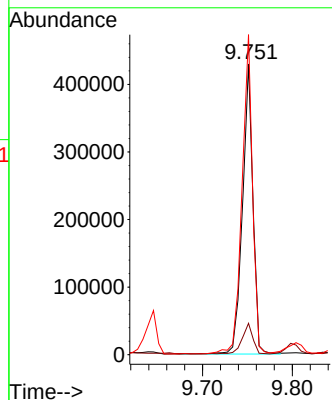
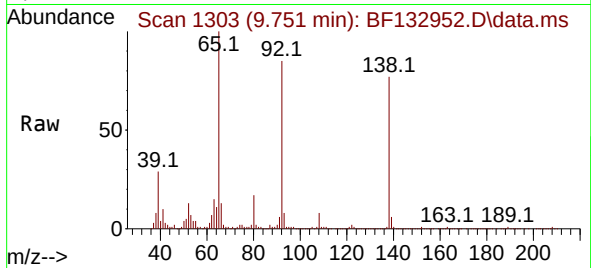




#53
3-Nitroaniline
Concen: 28.422 ng
RT: 9.751 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF132952.D
Acq: 20 Apr 2023 23:09

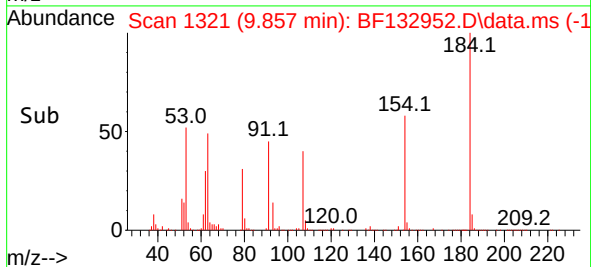
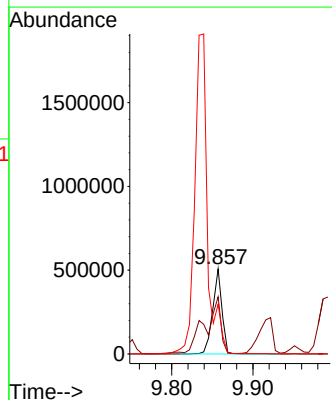
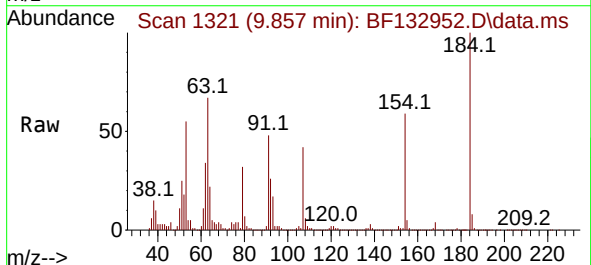
Instrument :
BNA_F
ClientSampleId :
SPA-1WC-23-04MS

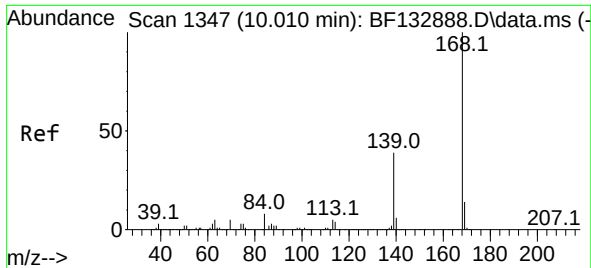
Tgt Ion:138 Resp: 347162
Ion Ratio Lower Upper
138 100
108 10.8 8.2 12.2
92 110.1 93.8 140.8



#54
2,4-Dinitrophenol
Concen: 96.429 ng
RT: 9.857 min Scan# 1321
Delta R.T. 0.006 min
Lab File: BF132952.D
Acq: 20 Apr 2023 23:09

Tgt Ion:184 Resp: 403196
Ion Ratio Lower Upper
184 100
63 67.0 62.7 94.1
154 58.5 49.9 74.9

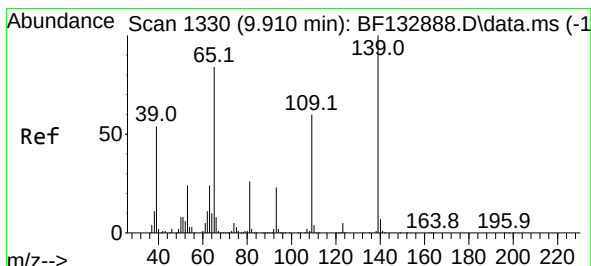
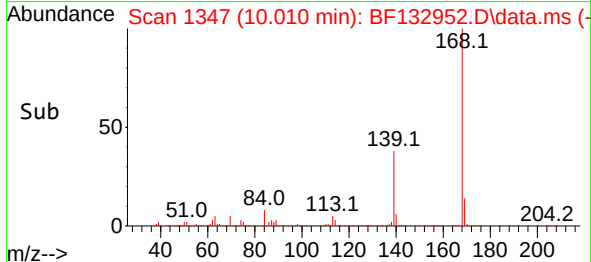
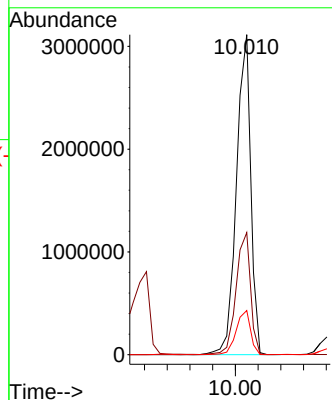
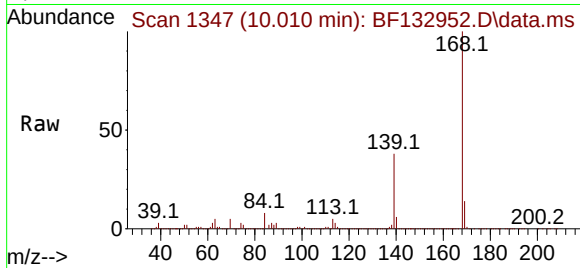




#55
Dibenzofuran
Concen: 44.832 ng
RT: 10.010 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF132952.D
Acq: 20 Apr 2023 23:09

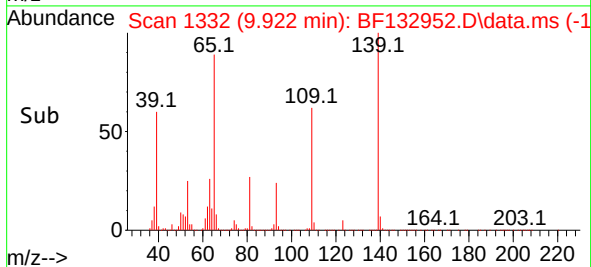
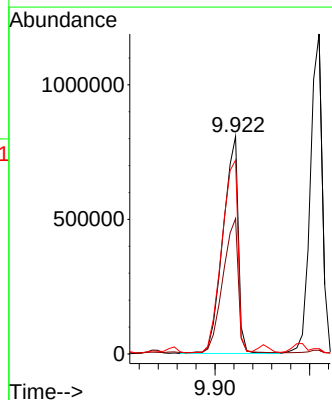
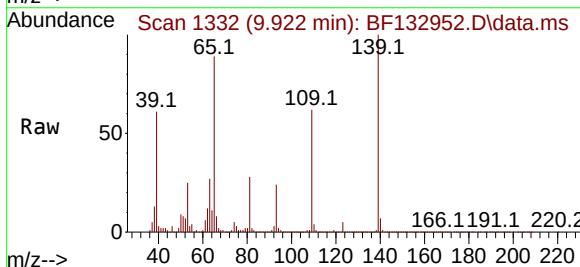
Instrument :
BNA_F
ClientSampleId :
SPA-1WC-23-04MS

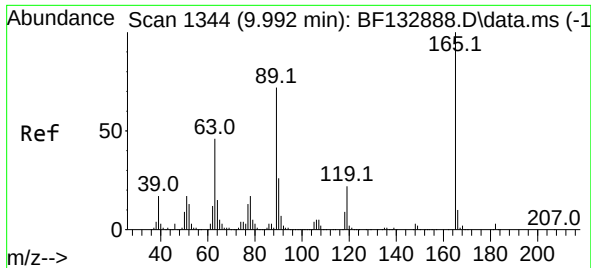
Tgt Ion:168 Resp: 2715697
Ion Ratio Lower Upper
168 100
139 38.2 31.4 47.0
169 13.8 11.2 16.8



#56
4-Nitrophenol
Concen: 99.842 ng
RT: 9.922 min Scan# 1332
Delta R.T. 0.018 min
Lab File: BF132952.D
Acq: 20 Apr 2023 23:09

Tgt Ion:139 Resp: 905889
Ion Ratio Lower Upper
139 100
109 62.2 40.4 80.4
65 89.1 64.2 104.2





#57

2,4-Dinitrotoluene

Concen: 55.142 ng

RT: 9.992 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF132952.D

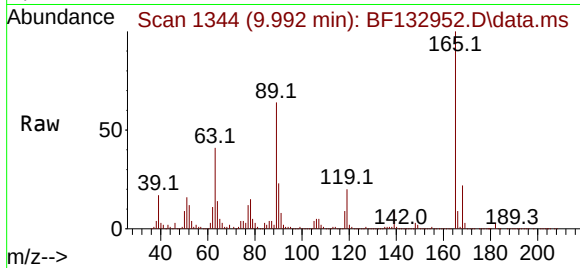
Acq: 20 Apr 2023 23:09

Instrument :

BNA_F

ClientSampleId :

SPA-1WC-23-04MS



Tgt Ion:165 Resp: 730494

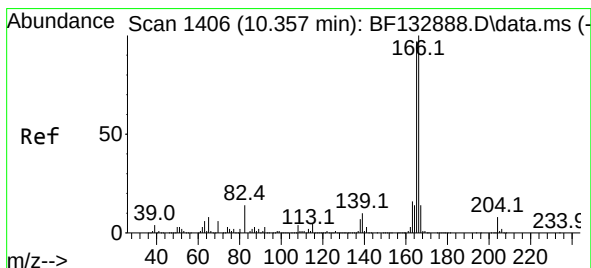
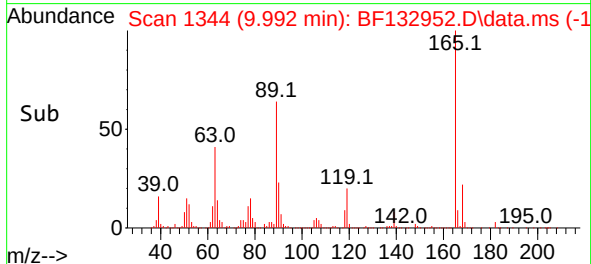
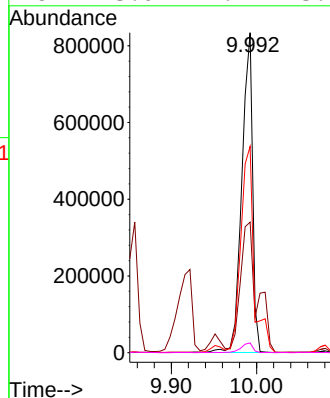
Ion Ratio Lower Upper

165 100

63 40.8 37.0 55.6

89 64.4 57.8 86.6

182 3.0 2.4 3.6



#58

Fluorene

Concen: 44.937 ng

RT: 10.351 min Scan# 1405

Delta R.T. 0.006 min

Lab File: BF132952.D

Acq: 20 Apr 2023 23:09

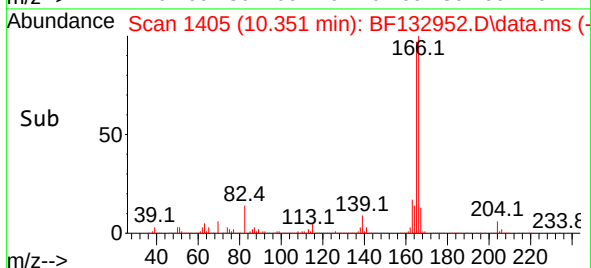
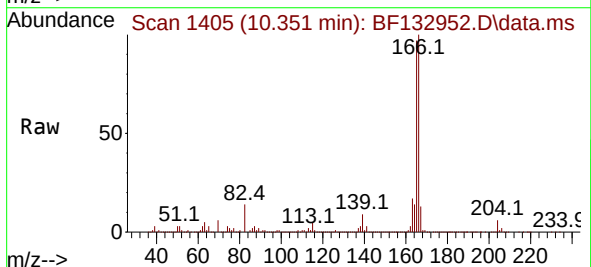
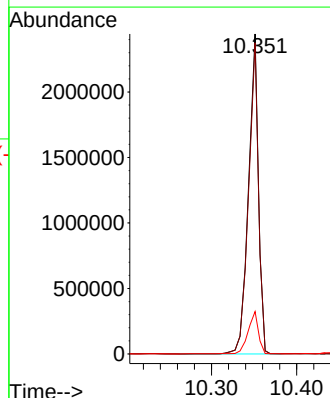
Tgt Ion:166 Resp: 1994016

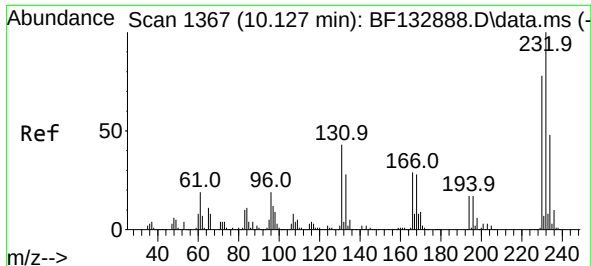
Ion Ratio Lower Upper

166 100

165 97.3 78.0 117.0

167 13.3 11.0 16.4

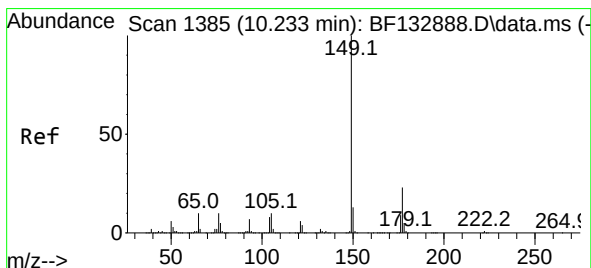
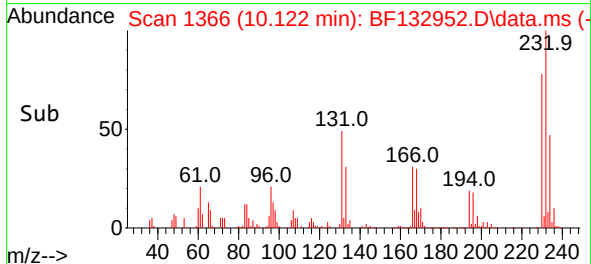
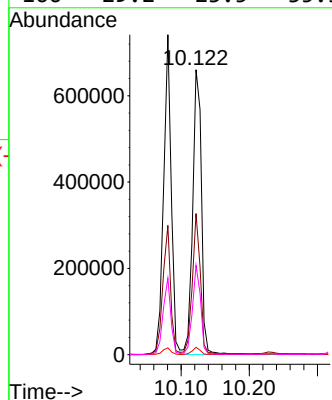
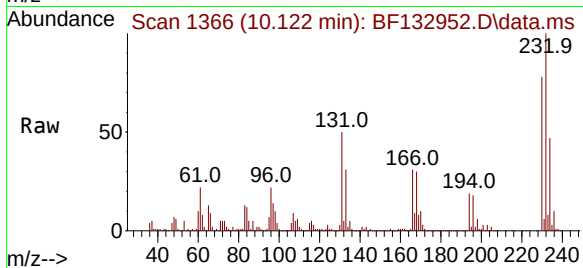




#59
2,3,4,6-Tetrachlorophenol
Concen: 50.689 ng
RT: 10.122 min Scan# 1366
Delta R.T. 0.000 min
Lab File: BF132952.D
Acq: 20 Apr 2023 23:09

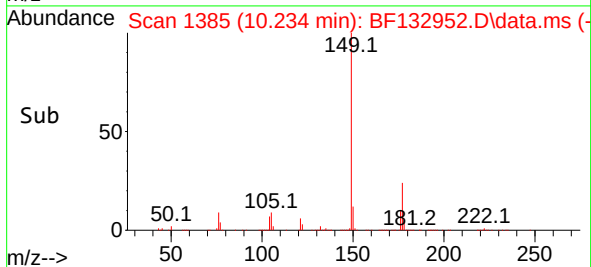
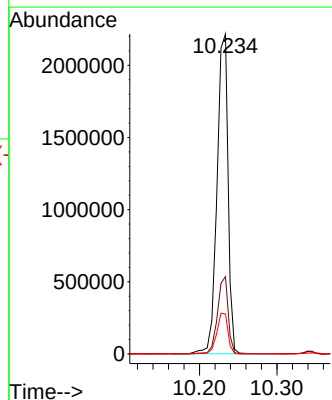
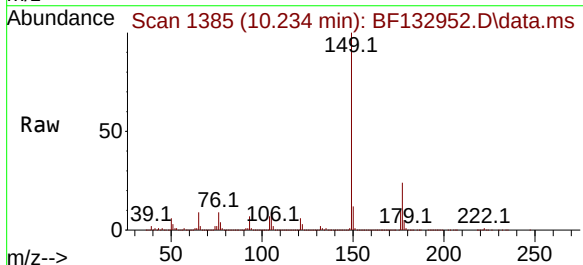
Instrument :
BNA_F
ClientSampleId :
SPA-1WC-23-04MS

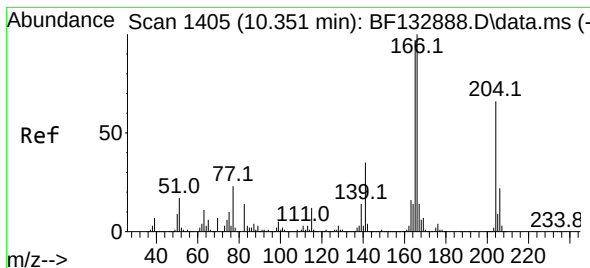
Tgt Ion:232 Resp: 584053
Ion Ratio Lower Upper
232 100
131 45.2 35.9 53.9
130 2.4 1.8 2.8
166 29.2 23.5 35.3



#60
Diethylphthalate
Concen: 47.961 ng
RT: 10.234 min Scan# 1385
Delta R.T. 0.012 min
Lab File: BF132952.D
Acq: 20 Apr 2023 23:09

Tgt Ion:149 Resp: 2194077
Ion Ratio Lower Upper
149 100
177 24.2 18.5 27.7
150 12.5 10.3 15.5

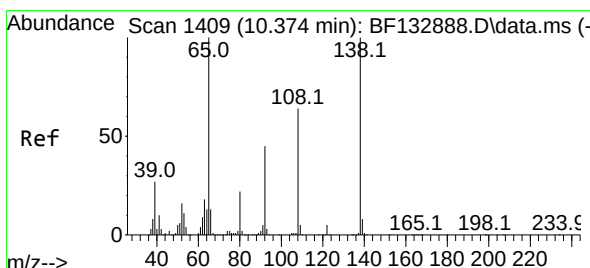
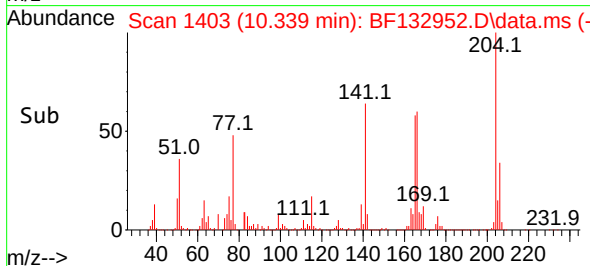
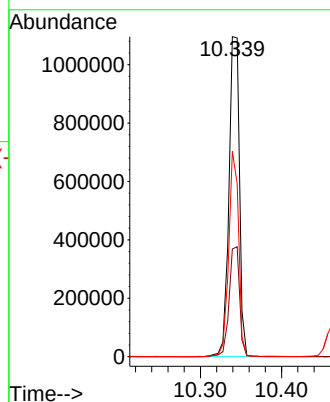
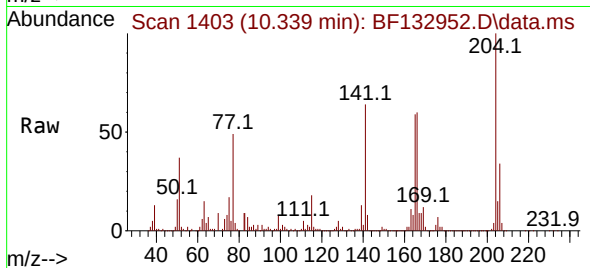




#61
4-Chlorophenyl-phenylether
Concen: 43.785 ng
RT: 10.339 min Scan# 1403
Delta R.T. 0.000 min
Lab File: BF132952.D
Acq: 20 Apr 2023 23:09

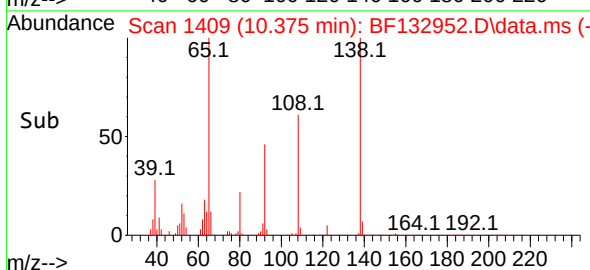
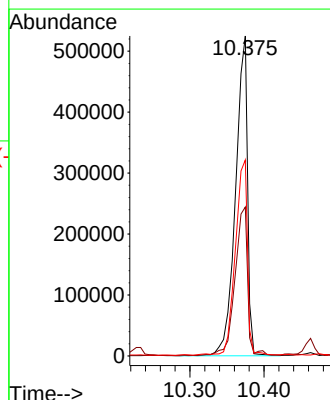
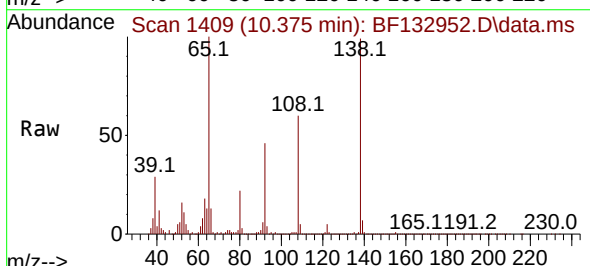
Instrument :
BNA_F
ClientSampleId :
SPA-1WC-23-04MS

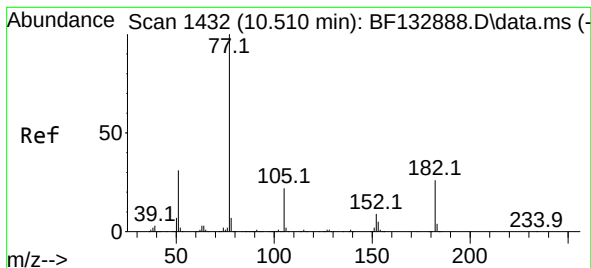
Tgt Ion:204 Resp: 988233
Ion Ratio Lower Upper
204 100
206 33.6 26.6 40.0
141 64.2 43.1 64.7



#62
4-Nitroaniline
Concen: 50.096 ng
RT: 10.375 min Scan# 1409
Delta R.T. 0.012 min
Lab File: BF132952.D
Acq: 20 Apr 2023 23:09

Tgt Ion:138 Resp: 588125
Ion Ratio Lower Upper
138 100
92 46.6 25.0 65.0
108 61.3 44.2 84.2





#63

Azobenzene

Concen: 49.411 ng

RT: 10.504 min Scan# 1431

Delta R.T. 0.006 min

Lab File: BF132952.D

Acq: 20 Apr 2023 23:09

Instrument :

BNA_F

ClientSampleId :

SPA-1WC-23-04MS

Tgt Ion: 77 Resp: 2524942

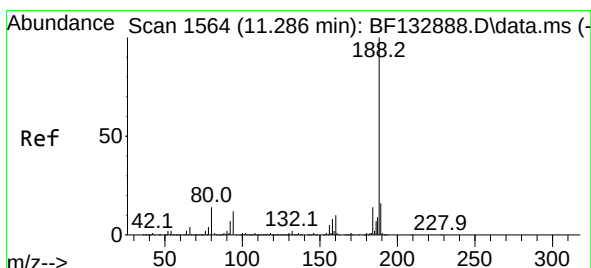
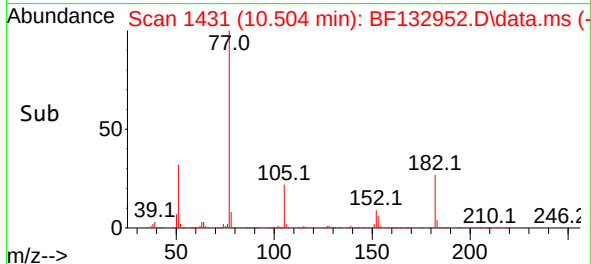
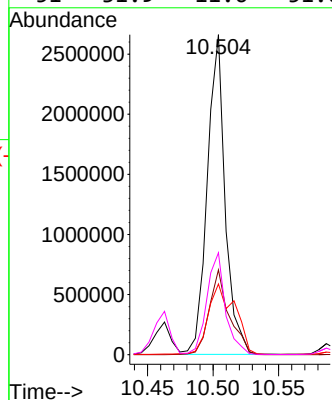
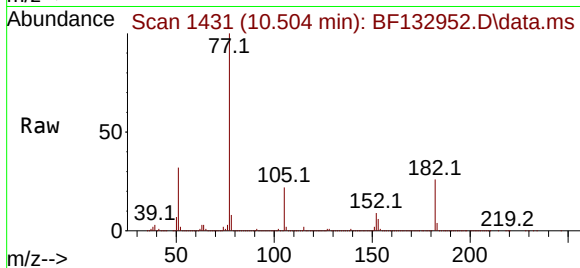
Ion Ratio Lower Upper

77 100

182 26.5 6.0 46.0

105 22.1 1.6 41.6

51 31.9 11.6 51.6



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.281 min Scan# 1563

Delta R.T. 0.000 min

Lab File: BF132952.D

Acq: 20 Apr 2023 23:09

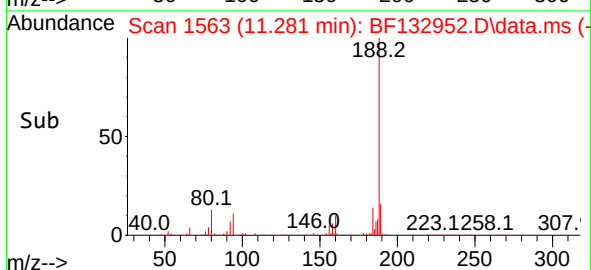
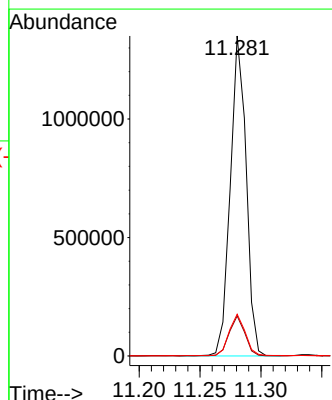
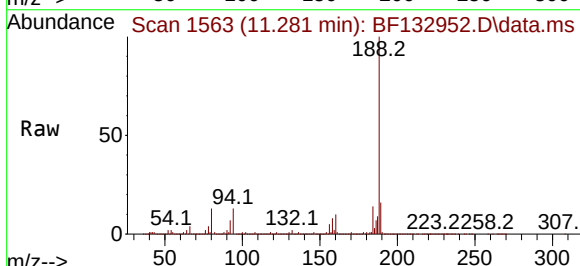
Tgt Ion:188 Resp: 1225488

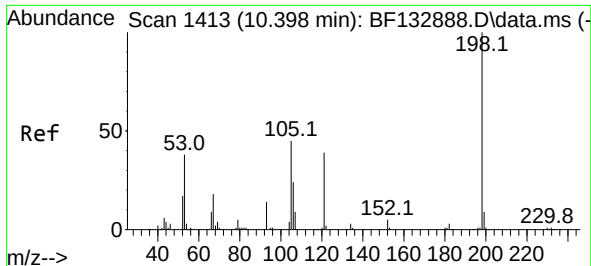
Ion Ratio Lower Upper

188 100

94 12.5 9.9 14.9

80 13.0 10.8 16.2





#65

4,6-Dinitro-2-methylphenol

Concen: 54.531 ng

RT: 10.398 min Scan# 1413

Delta R.T. 0.006 min

Lab File: BF132952.D

Acq: 20 Apr 2023 23:09

Instrument :

BNA_F

ClientSampleId :

SPA-1WC-23-04MS

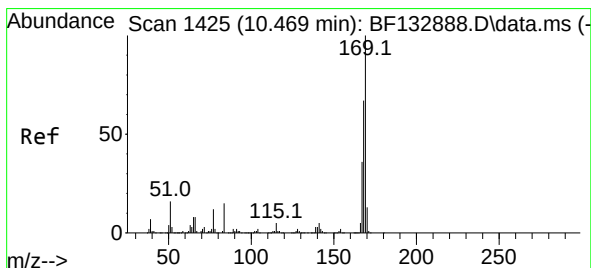
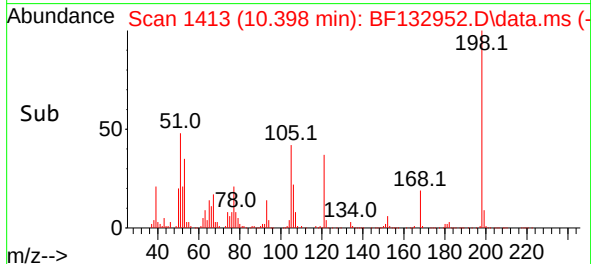
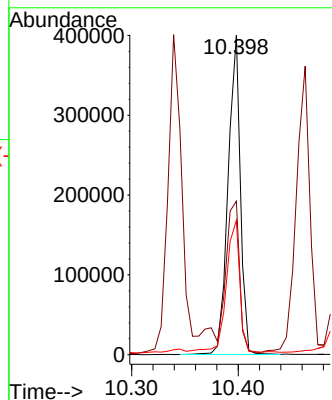
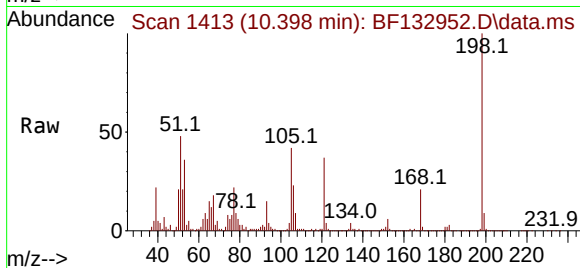
Tgt Ion:198 Resp: 320043

Ion Ratio Lower Upper

198 100

51 48.0 34.6 74.6

105 42.0 25.6 65.6



#66

n-Nitrosodiphenylamine

Concen: 47.660 ng

RT: 10.463 min Scan# 1424

Delta R.T. 0.006 min

Lab File: BF132952.D

Acq: 20 Apr 2023 23:09

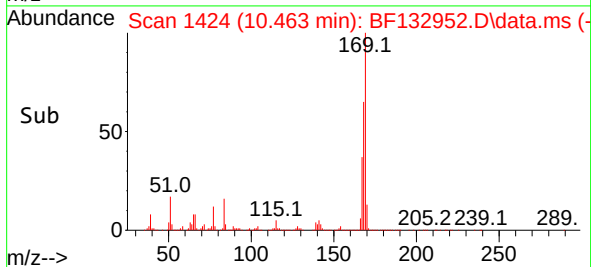
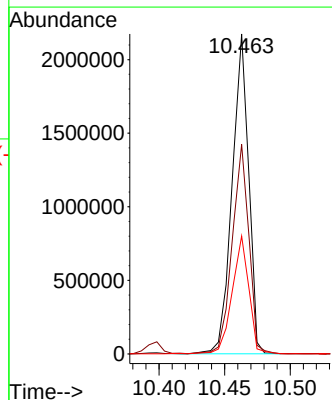
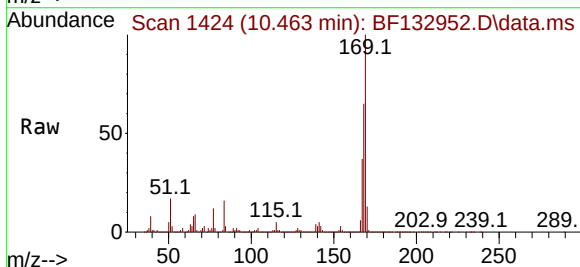
Tgt Ion:169 Resp: 1902203

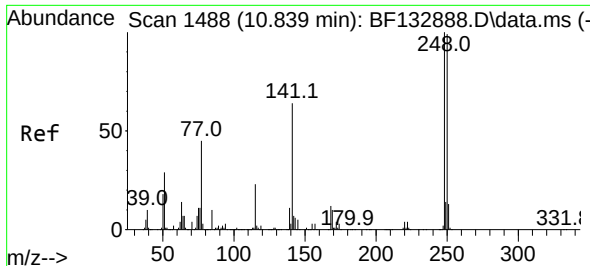
Ion Ratio Lower Upper

169 100

168 65.5 53.4 80.0

167 36.8 29.0 43.6

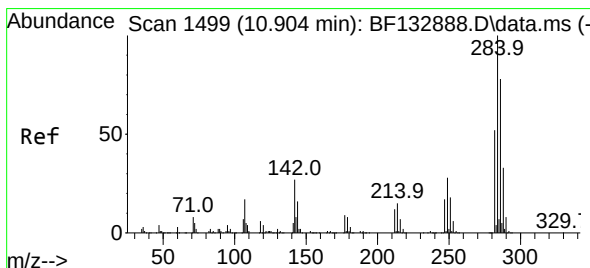
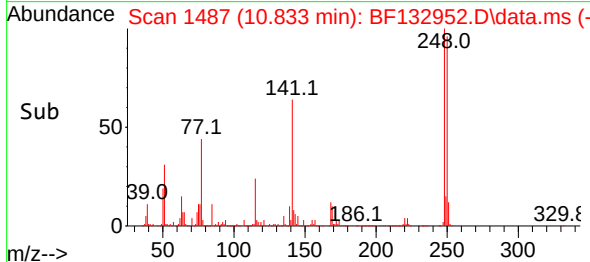
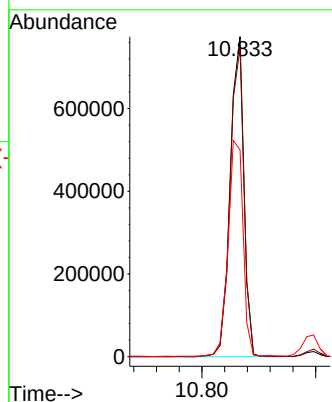
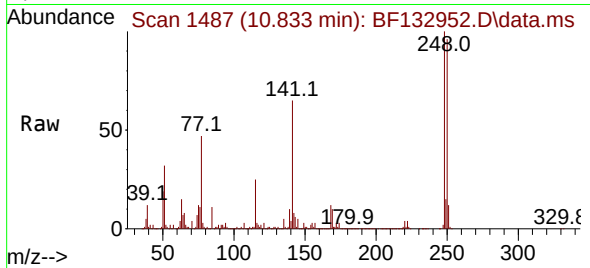




#67
4-Bromophenyl-phenylether
Concen: 46.506 ng
RT: 10.833 min Scan# 1487
Delta R.T. 0.006 min
Lab File: BF132952.D
Acq: 20 Apr 2023 23:09

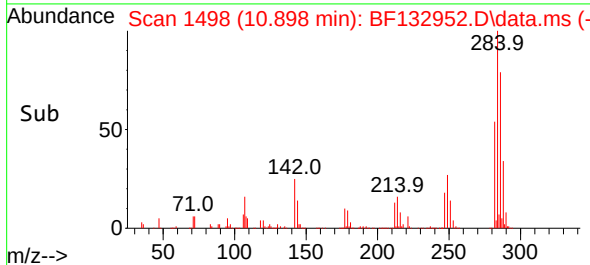
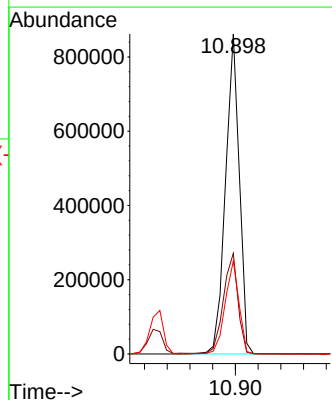
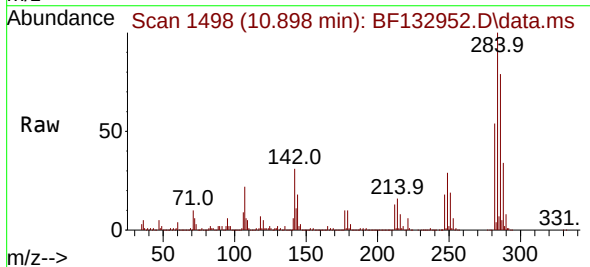
Instrument :
BNA_F
ClientSampleId :
SPA-1WC-23-04MS

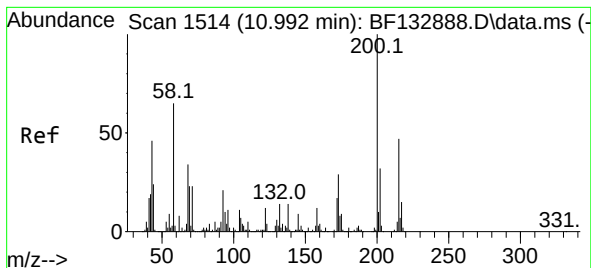
Tgt Ion:248 Resp: 650804
Ion Ratio Lower Upper
248 100
250 96.4 79.1 118.7
141 64.6 51.0 76.6



#68
Hexachlorobenzene
Concen: 50.022 ng
RT: 10.898 min Scan# 1498
Delta R.T. 0.006 min
Lab File: BF132952.D
Acq: 20 Apr 2023 23:09

Tgt Ion:284 Resp: 726236
Ion Ratio Lower Upper
284 100
142 31.4 22.0 33.0
249 29.1 22.6 34.0





#69

Atrazine

Concen: 54.030 ng

RT: 10.992 min Scan# 1514

Delta R.T. 0.006 min

Lab File: BF132952.D

Acq: 20 Apr 2023 23:09

Instrument :

BNA_F

ClientSampleId :

SPA-1WC-23-04MS

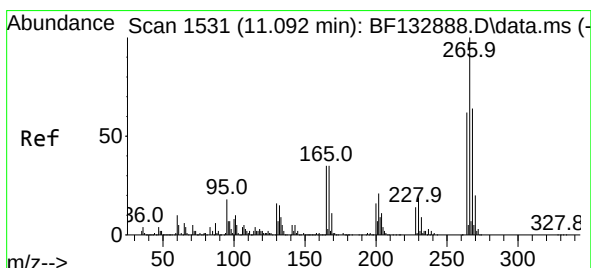
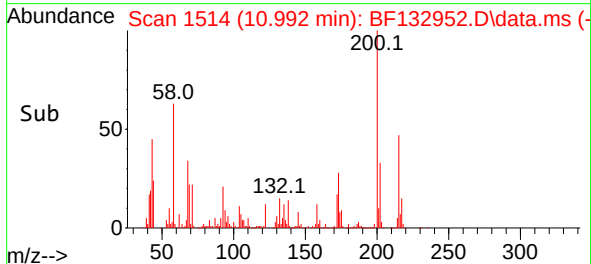
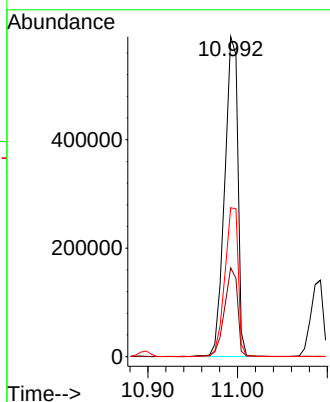
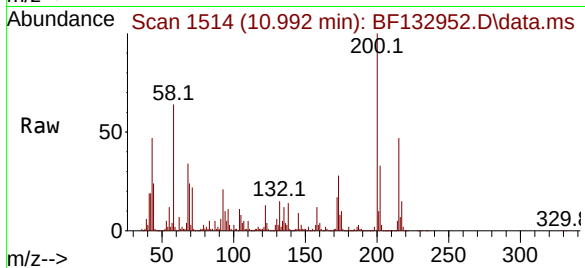
Tgt Ion:200 Resp: 602749

Ion Ratio Lower Upper

200 100

173 27.8 8.7 48.7

215 46.6 27.2 67.2



#70

Pentachlorophenol

Concen: 88.205 ng

RT: 11.092 min Scan# 1531

Delta R.T. 0.006 min

Lab File: BF132952.D

Acq: 20 Apr 2023 23:09

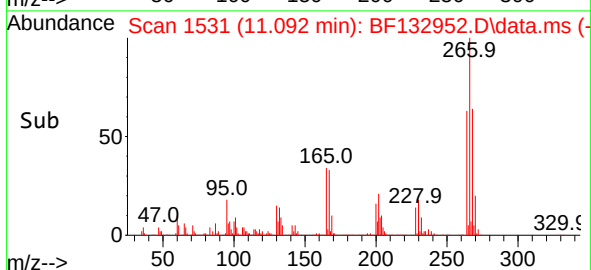
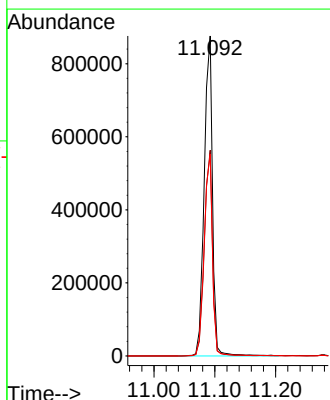
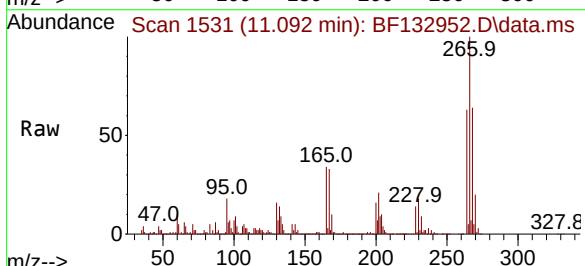
Tgt Ion:266 Resp: 826354

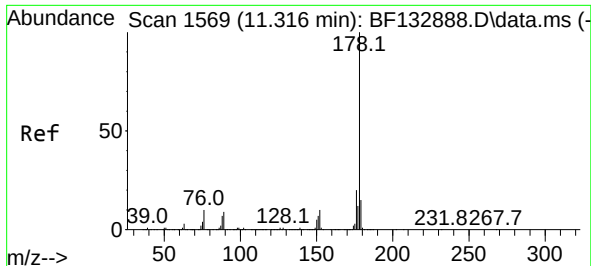
Ion Ratio Lower Upper

266 100

268 64.3 50.9 76.3

264 63.1 49.8 74.6

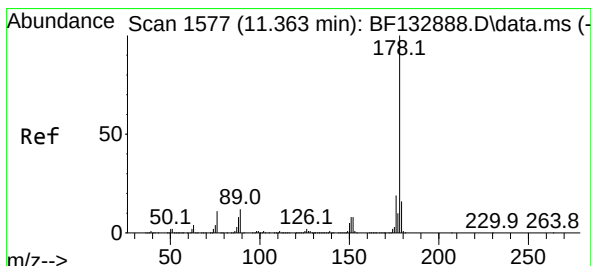
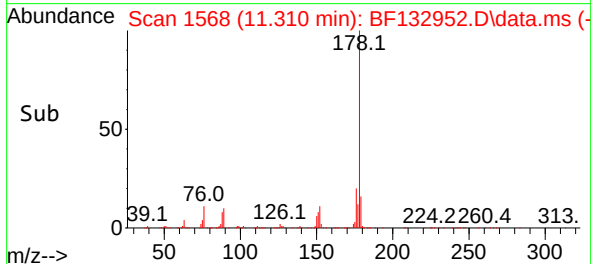
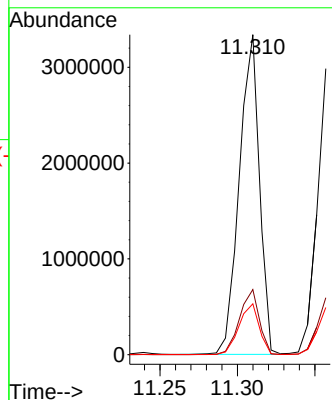
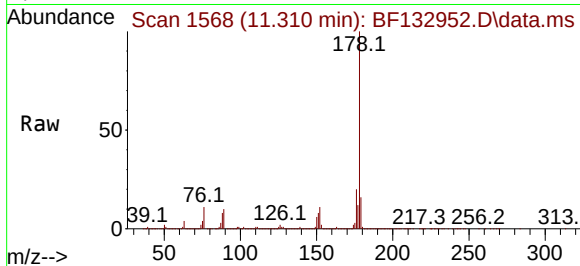




#71
Phenanthrene
Concen: 45.771 ng
RT: 11.310 min Scan# 1568
Delta R.T. 0.006 min
Lab File: BF132952.D
Acq: 20 Apr 2023 23:09

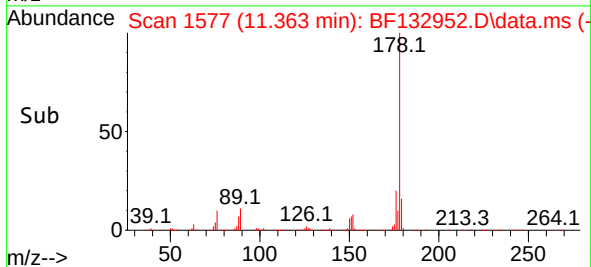
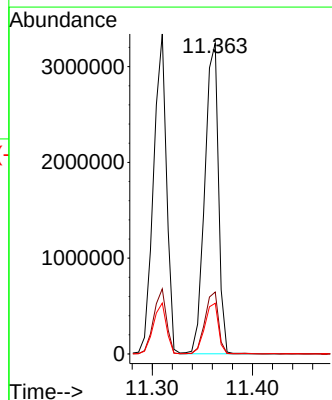
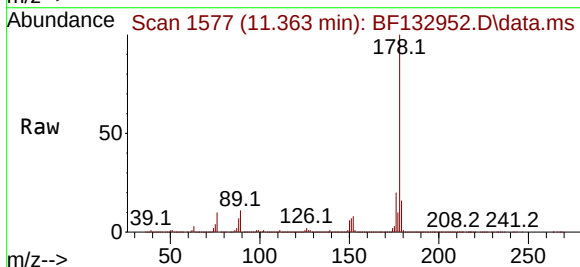
Instrument :
BNA_F
ClientSampleId :
SPA-1WC-23-04MS

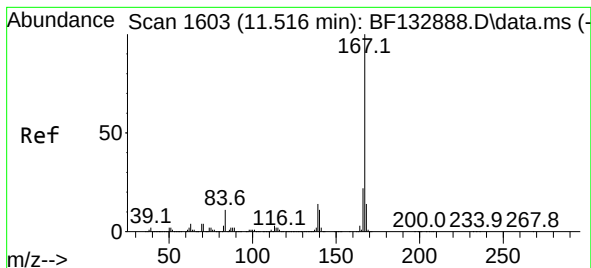
Tgt Ion:178 Resp: 3017124
Ion Ratio Lower Upper
178 100
176 20.4 15.9 23.9
179 15.9 12.3 18.5



#72
Anthracene
Concen: 45.691 ng
RT: 11.363 min Scan# 1577
Delta R.T. 0.006 min
Lab File: BF132952.D
Acq: 20 Apr 2023 23:09

Tgt Ion:178 Resp: 3083183
Ion Ratio Lower Upper
178 100
176 19.9 15.5 23.3
179 16.3 12.8 19.2





#73

Carbazole

Concen: 47.742 ng

RT: 11.516 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF132952.D

Acq: 20 Apr 2023 23:09

Instrument :

BNA_F

ClientSampleId :

SPA-1WC-23-04MS

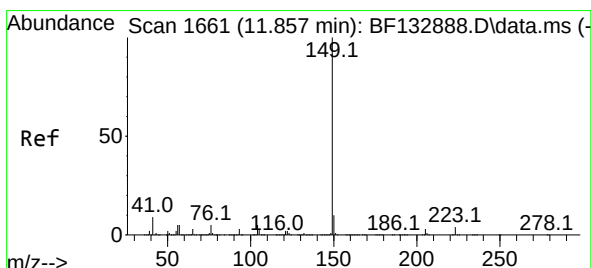
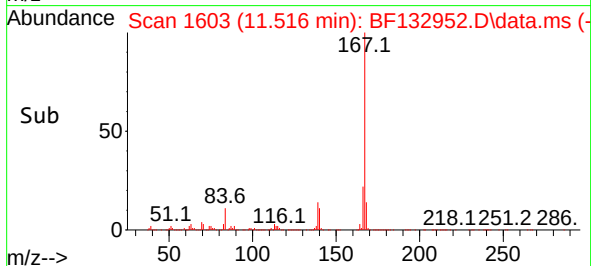
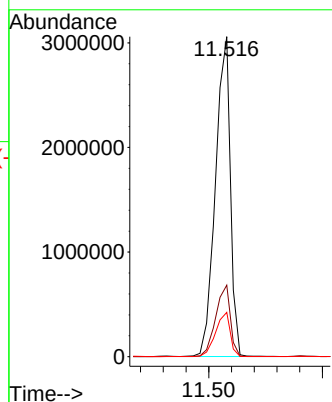
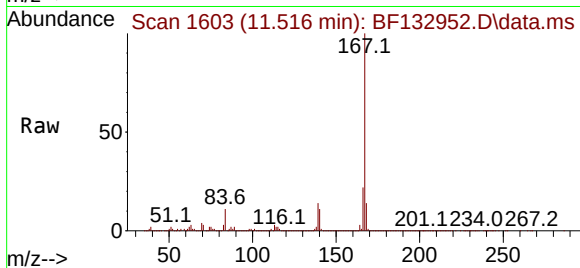
Tgt Ion:167 Resp: 2787525

Ion Ratio Lower Upper

167 100

166 22.3 17.4 26.2

139 13.9 11.0 16.4



#74

Di-n-butylphthalate

Concen: 52.836 ng

RT: 11.851 min Scan# 1660

Delta R.T. 0.000 min

Lab File: BF132952.D

Acq: 20 Apr 2023 23:09

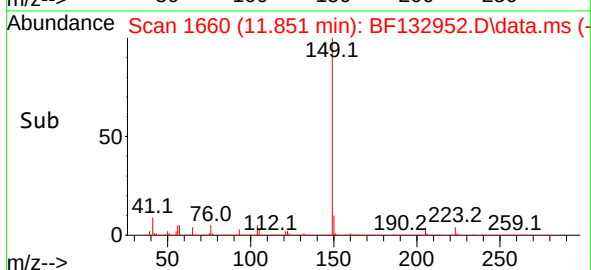
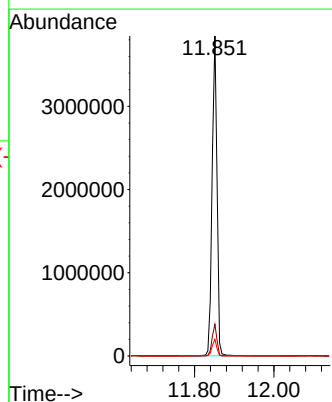
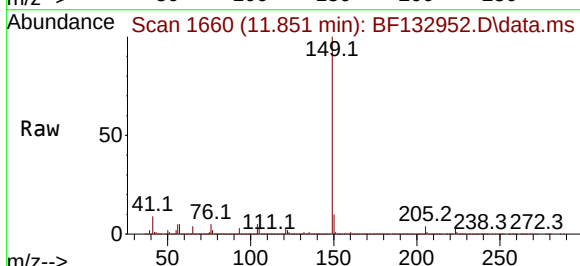
Tgt Ion:149 Resp: 3307021

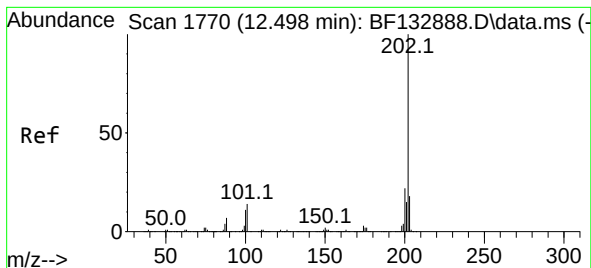
Ion Ratio Lower Upper

149 100

150 9.9 7.8 11.6

104 5.2 4.2 6.2





#75

Fluoranthene

Concen: 47.498 ng

RT: 12.492 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF132952.D

Acq: 20 Apr 2023 23:09

Instrument :

BNA_F

ClientSampleId :

SPA-1WC-23-04MS

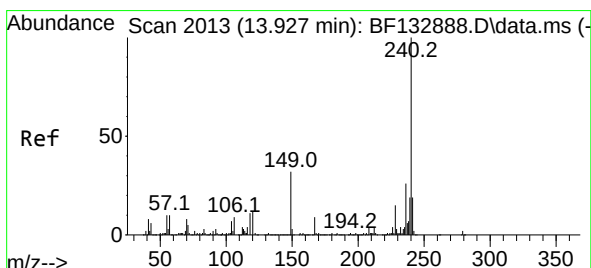
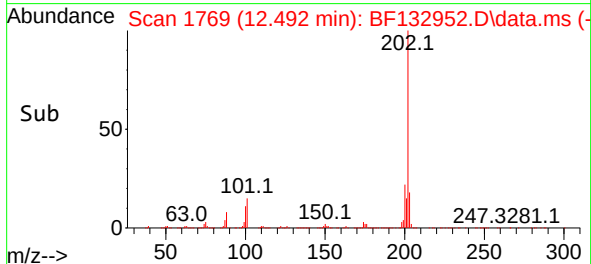
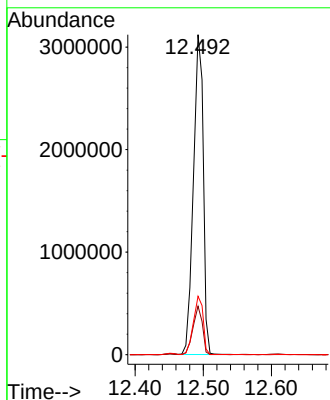
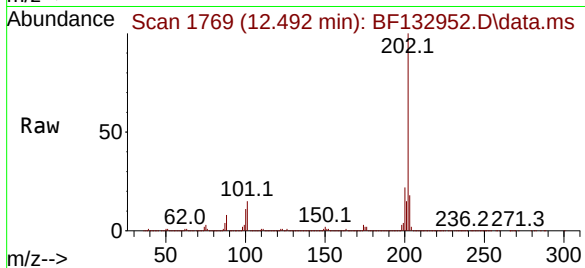
Tgt Ion:202 Resp: 3113547

Ion Ratio Lower Upper

202 100

101 15.2 0.0 34.5

203 18.3 0.0 38.2



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.922 min Scan# 2012

Delta R.T. 0.006 min

Lab File: BF132952.D

Acq: 20 Apr 2023 23:09

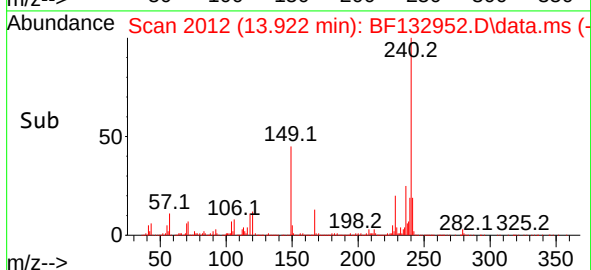
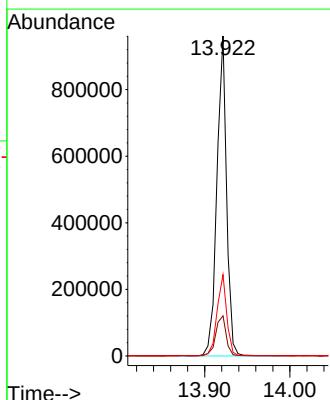
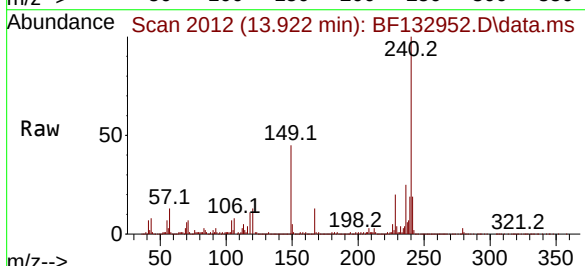
Tgt Ion:240 Resp: 757512

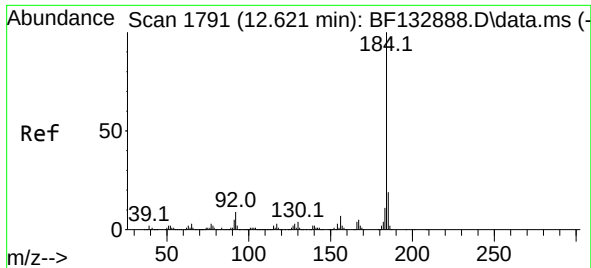
Ion Ratio Lower Upper

240 100

120 12.5 10.0 15.0

236 25.4 20.8 31.2

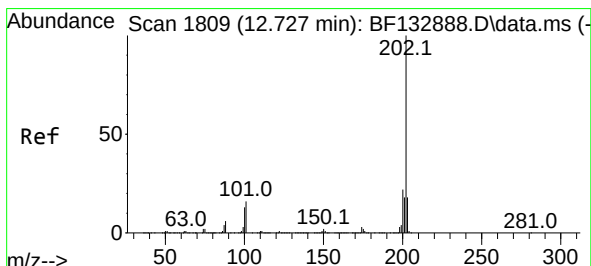
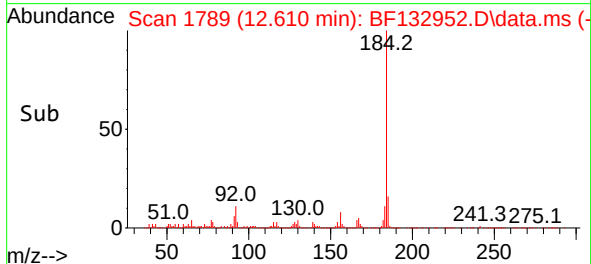
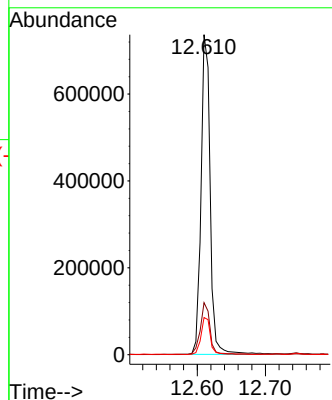
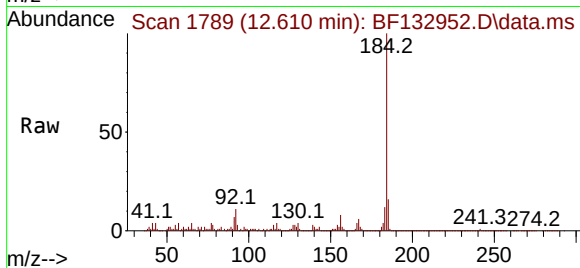




#77
Benzidine
Concen: 57.923 ng
RT: 12.610 min Scan# 1789
Delta R.T. 0.000 min
Lab File: BF132952.D
Acq: 20 Apr 2023 23:09

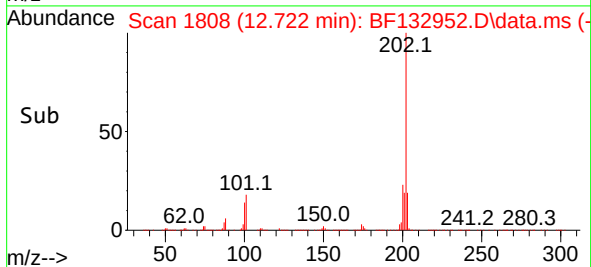
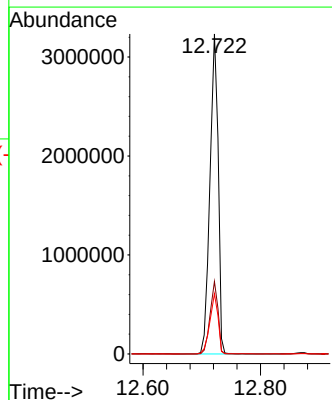
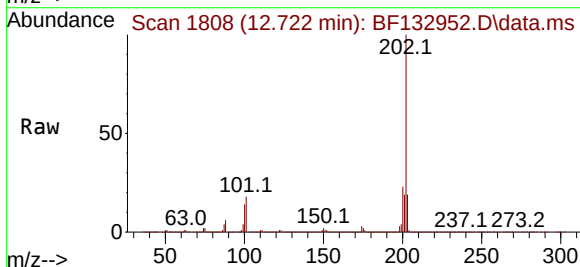
Instrument :
BNA_F
ClientSampleId :
SPA-1WC-23-04MS

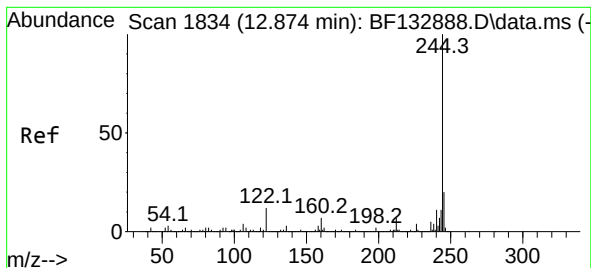
Tgt Ion:184 Resp: 683498
Ion Ratio Lower Upper
184 100
185 16.3 14.9 22.3
183 11.6 9.0 13.6



#78
Pyrene
Concen: 50.608 ng
RT: 12.722 min Scan# 1808
Delta R.T. 0.000 min
Lab File: BF132952.D
Acq: 20 Apr 2023 23:09

Tgt Ion:202 Resp: 3134732
Ion Ratio Lower Upper
202 100
200 22.7 17.6 26.4
203 18.8 14.6 22.0





#79

Terphenyl-d14

Concen: 96.291 ng

RT: 12.875 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF132952.D

Acq: 20 Apr 2023 23:09

Instrument :

BNA_F

ClientSampleId :

SPA-1WC-23-04MS

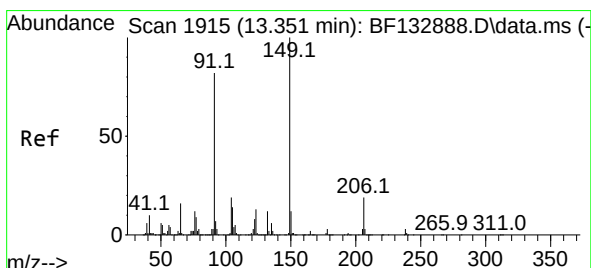
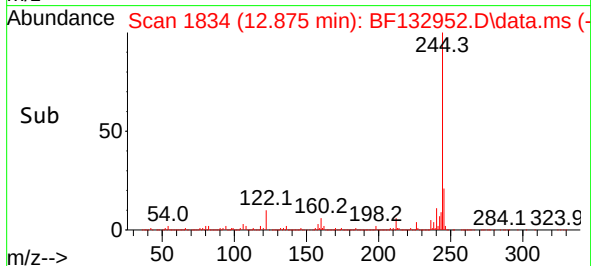
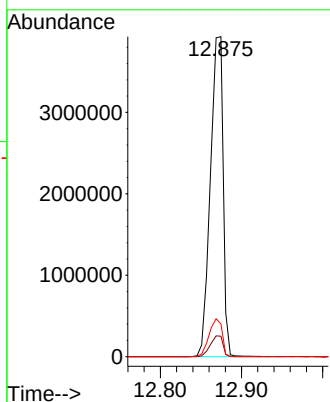
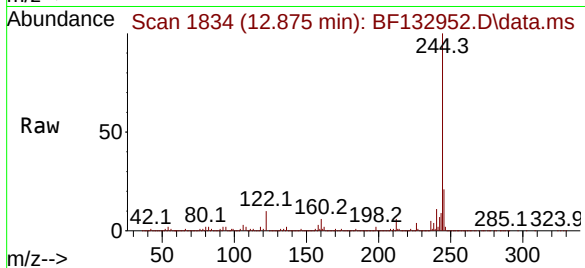
Tgt Ion:244 Resp: 4275398

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

122 10.3 9.6 14.4



#80

Butylbenzylphthalate

Concen: 80.393 ng

RT: 13.345 min Scan# 1914

Delta R.T. 0.000 min

Lab File: BF132952.D

Acq: 20 Apr 2023 23:09

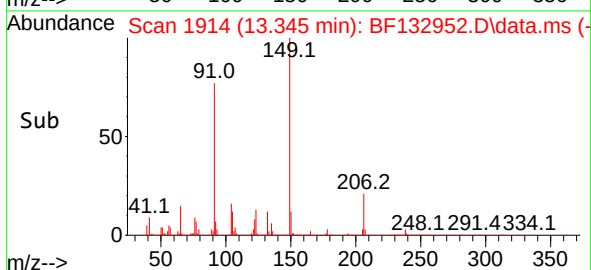
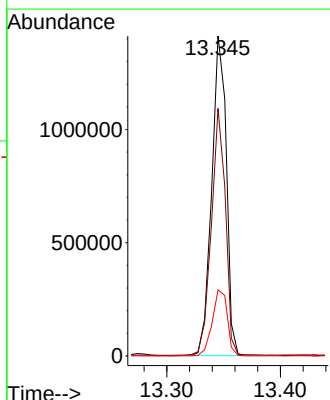
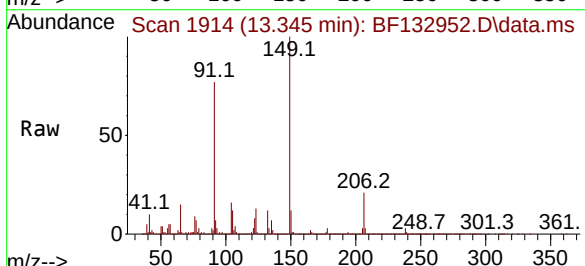
Tgt Ion:149 Resp: 1259674

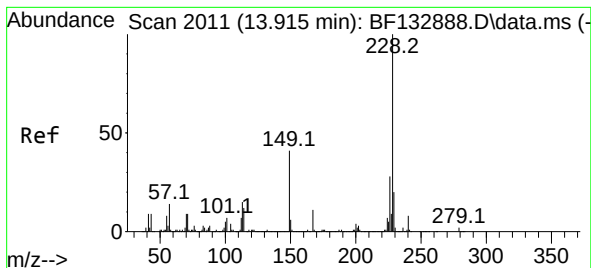
Ion Ratio Lower Upper

149 100

91 77.4 65.4 98.0

206 20.6 15.6 23.4





#81

Benzo(a)anthracene

Concen: 48.816 ng

RT: 13.910 min Scan# 2011

Delta R.T. 0.006 min

Lab File: BF132952.D

Acq: 20 Apr 2023 23:09

Instrument :

BNA_F

ClientSampleId :

SPA-1WC-23-04MS

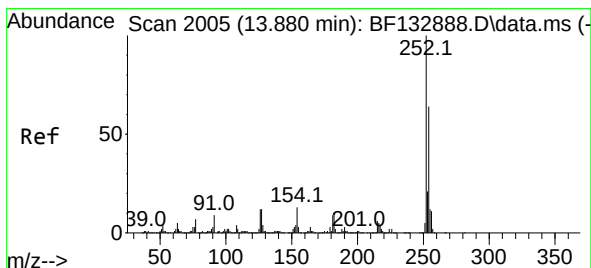
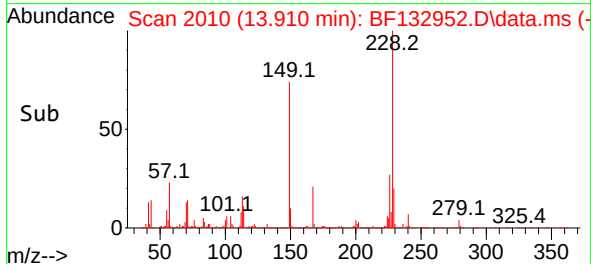
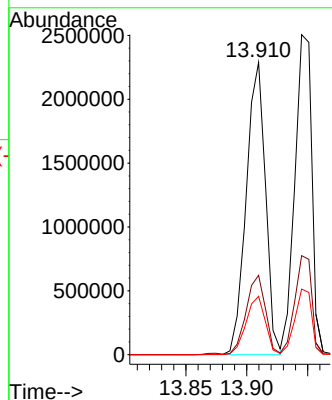
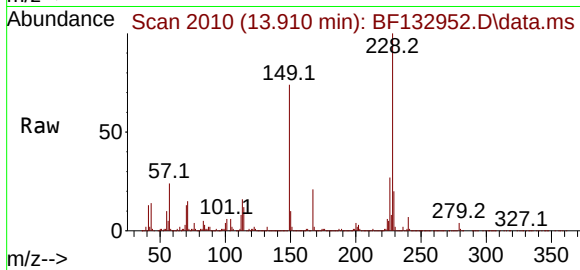
Tgt Ion:228 Resp: 2514845

Ion Ratio Lower Upper

228 100

226 27.1 22.4 33.6

229 20.0 16.2 24.2



#82

3,3'-Dichlorobenzidine

Concen: 48.285 ng

RT: 13.874 min Scan# 2004

Delta R.T. 0.006 min

Lab File: BF132952.D

Acq: 20 Apr 2023 23:09

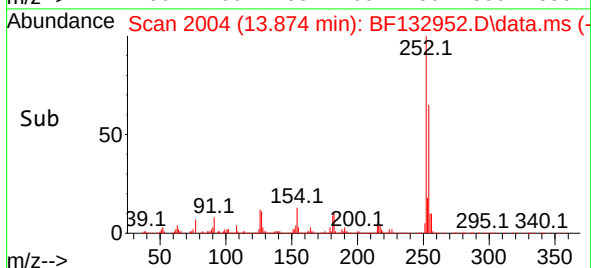
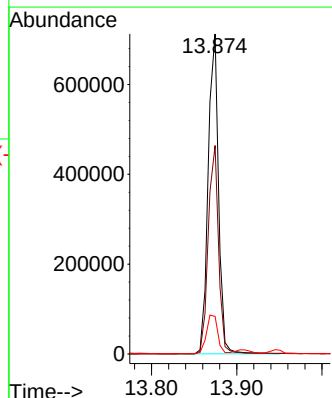
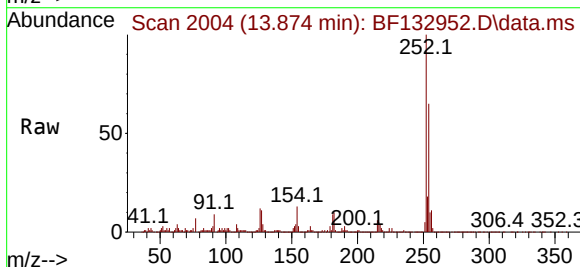
Tgt Ion:252 Resp: 601705

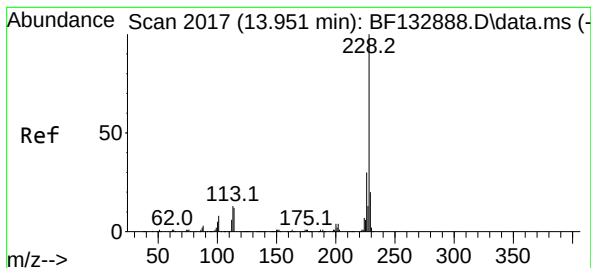
Ion Ratio Lower Upper

252 100

254 65.2 51.0 76.6

126 11.8 9.8 14.6





#83

Chrysene

Concen: 47.845 ng

RT: 13.945 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF132952.D

Acq: 20 Apr 2023 23:09

Instrument :

BNA_F

ClientSampleId :

SPA-1WC-23-04MS

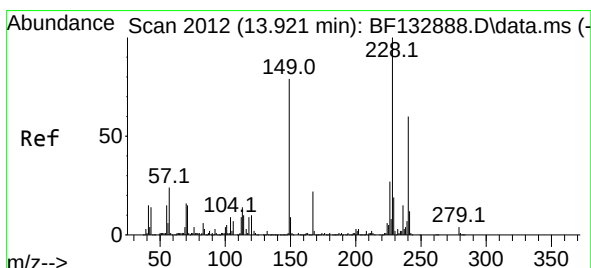
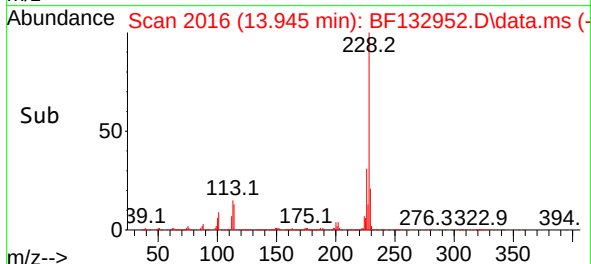
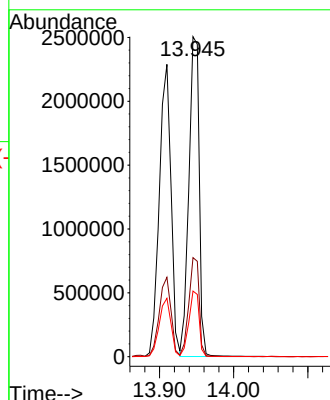
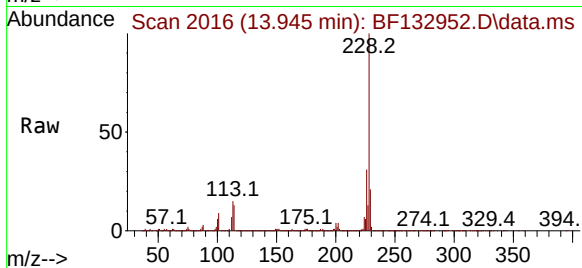
Tgt Ion:228 Resp: 2449858

Ion Ratio Lower Upper

228 100

226 31.0 24.3 36.5

229 20.5 16.2 24.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 89.533 ng

RT: 13.910 min Scan# 2010

Delta R.T. 0.000 min

Lab File: BF132952.D

Acq: 20 Apr 2023 23:09

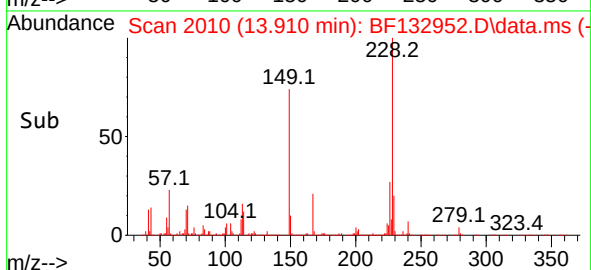
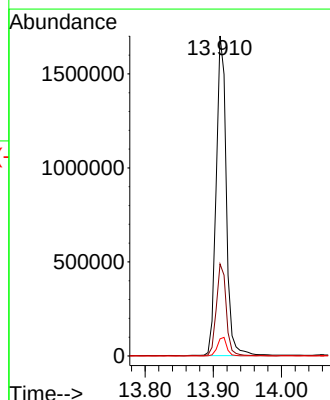
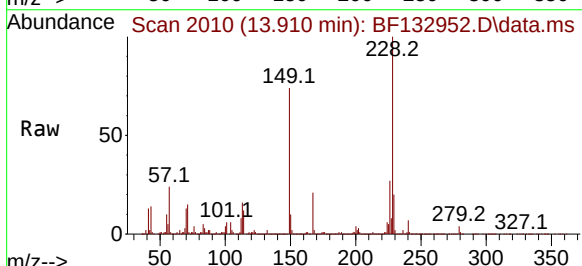
Tgt Ion:149 Resp: 1754246

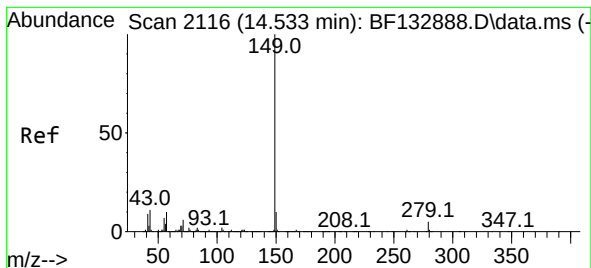
Ion Ratio Lower Upper

149 100

167 28.7 22.2 33.4

279 5.4 4.2 6.2





#85

Di-n-octyl phthalate

Concen: 60.429 ng

RT: 14.521 min Scan# 2114

Delta R.T. 0.000 min

Lab File: BF132952.D

Acq: 20 Apr 2023 23:09

Instrument :

BNA_F

ClientSampleId :

SPA-1WC-23-04MS

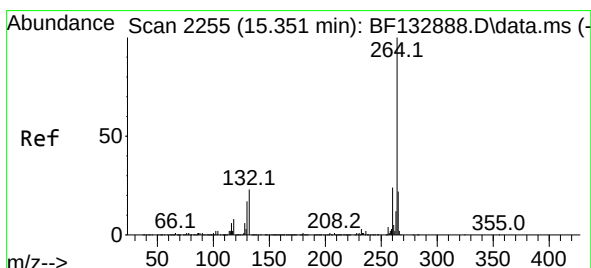
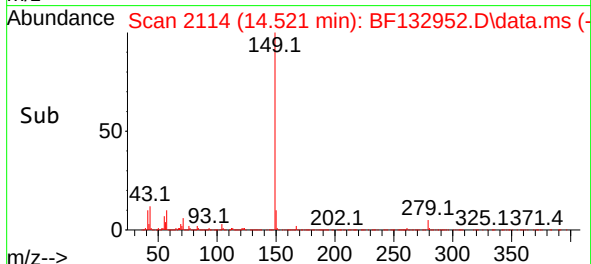
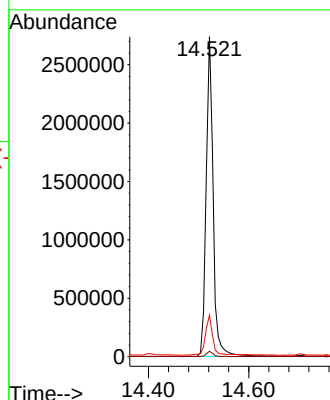
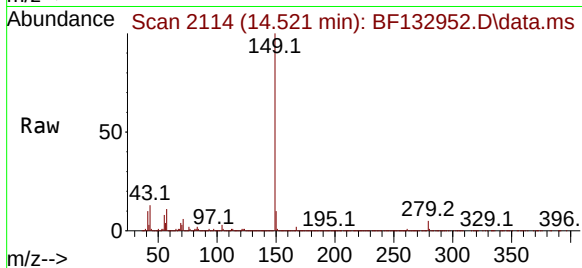
Tgt Ion:149 Resp: 2654660

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

43 13.2 11.5 17.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.345 min Scan# 2254

Delta R.T. 0.006 min

Lab File: BF132952.D

Acq: 20 Apr 2023 23:09

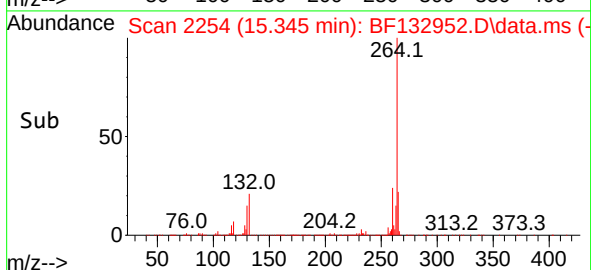
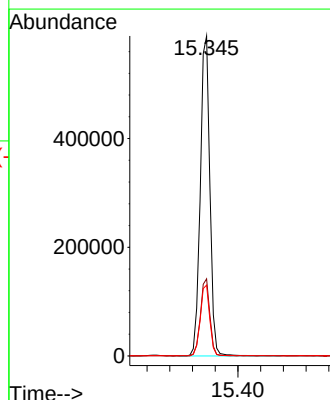
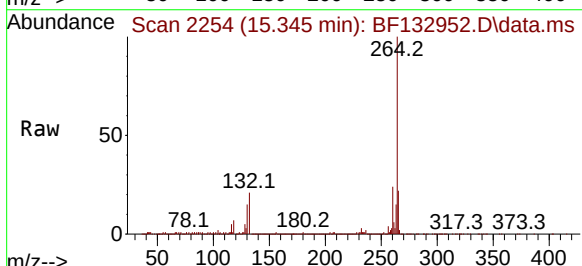
Tgt Ion:264 Resp: 687974

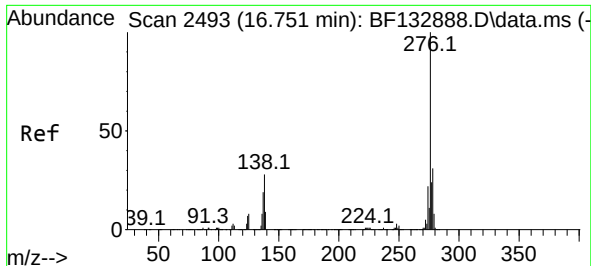
Ion Ratio Lower Upper

264 100

260 24.1 19.0 28.6

265 22.1 17.7 26.5

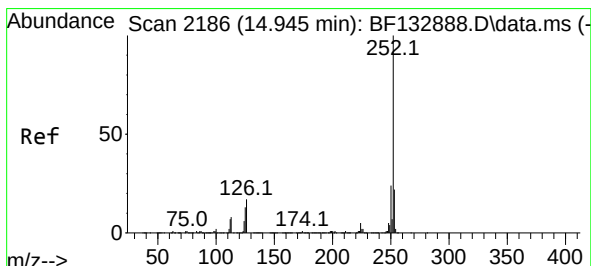
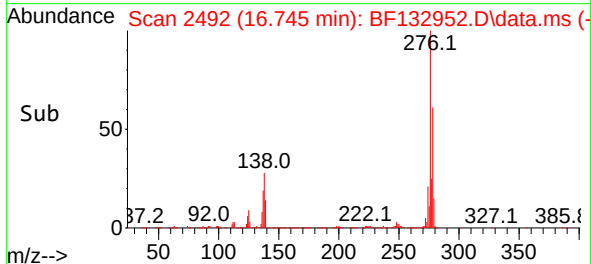
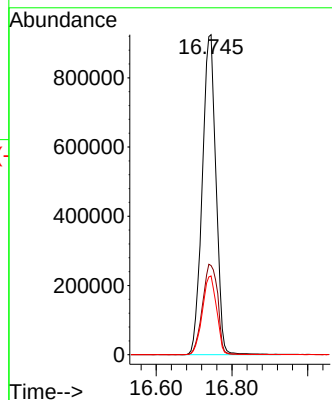
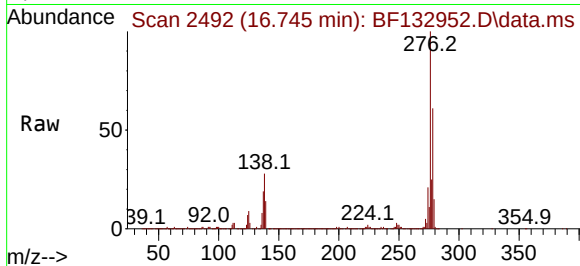




#87
Indeno(1,2,3-cd)pyrene
Concen: 58.860 ng
RT: 16.745 min Scan# 2493
Delta R.T. 0.012 min
Lab File: BF132952.D
Acq: 20 Apr 2023 23:09

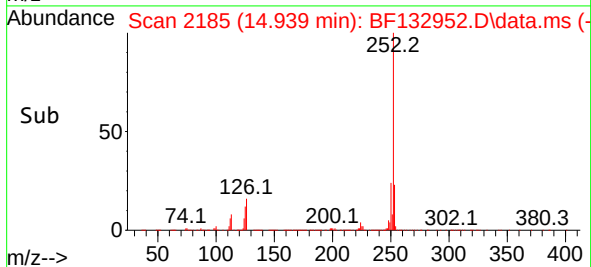
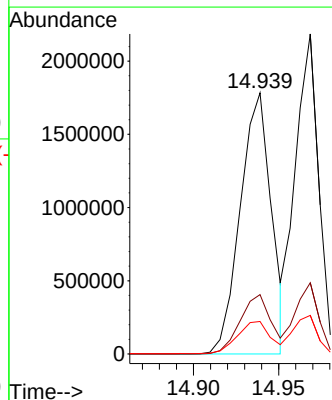
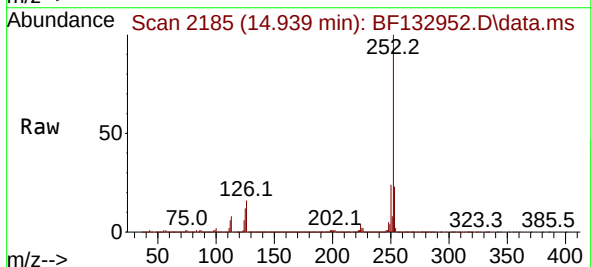
Instrument :
BNA_F
ClientSampleId :
SPA-1WC-23-04MS

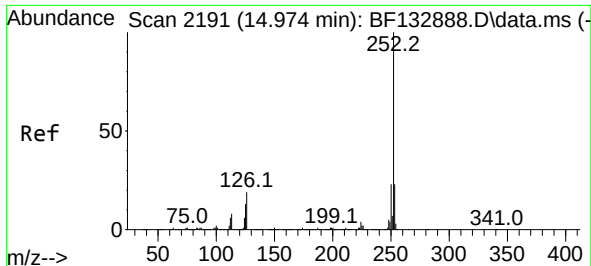
Tgt Ion:276 Resp: 2313877
Ion Ratio Lower Upper
276 100
138 31.4 25.5 38.3
277 25.6 20.3 30.5



#88
Benzo(b)fluoranthene
Concen: 52.823 ng
RT: 14.939 min Scan# 2185
Delta R.T. 0.006 min
Lab File: BF132952.D
Acq: 20 Apr 2023 23:09

Tgt Ion:252 Resp: 2263686
Ion Ratio Lower Upper
252 100
253 22.7 17.9 26.9
125 12.4 10.0 15.0





#89

Benzo(k)fluoranthene

Concen: 49.169 ng

RT: 14.969 min Scan# 2191

Delta R.T. 0.006 min

Lab File: BF132952.D

Acq: 20 Apr 2023 23:09

Instrument :

BNA_F

ClientSampleId :

SPA-1WC-23-04MS

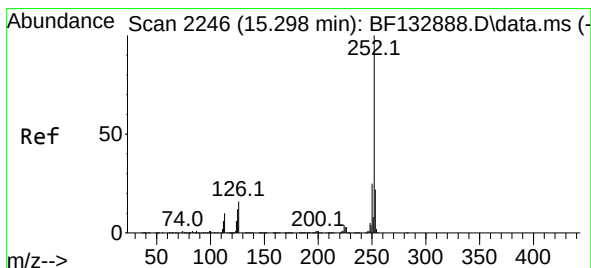
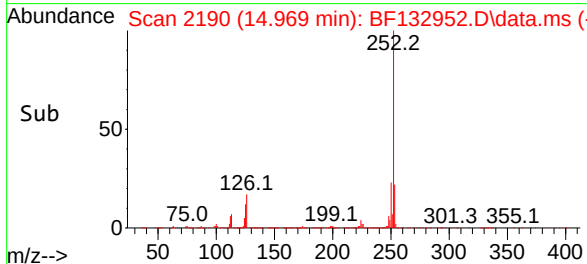
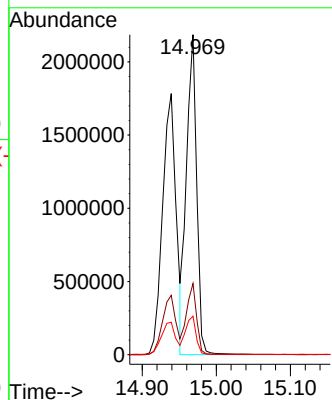
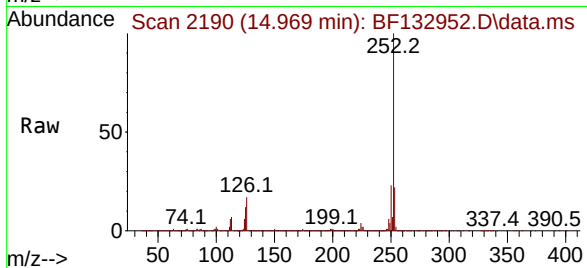
Tgt Ion:252 Resp: 2099019

Ion Ratio Lower Upper

252 100

253 22.3 18.0 27.0

125 12.1 10.0 15.0



#90

Benzo(a)pyrene

Concen: 47.749 ng

RT: 15.286 min Scan# 2244

Delta R.T. 0.000 min

Lab File: BF132952.D

Acq: 20 Apr 2023 23:09

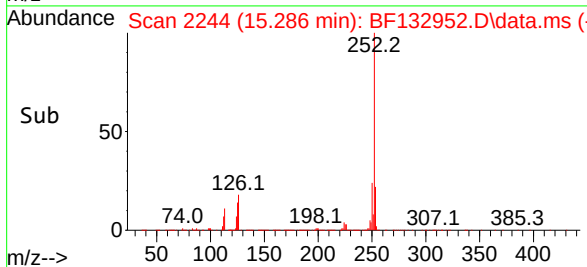
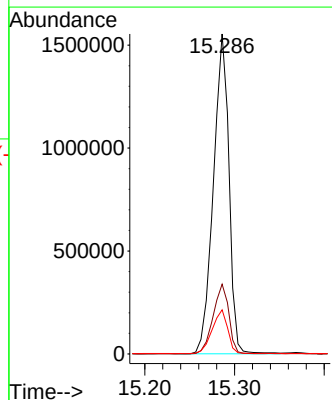
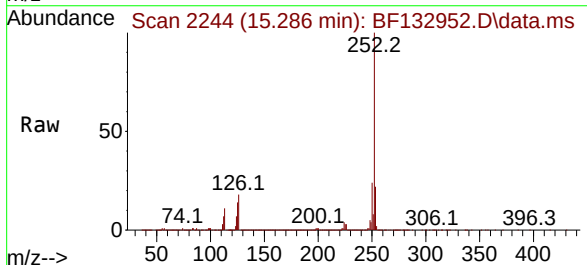
Tgt Ion:252 Resp: 1869417

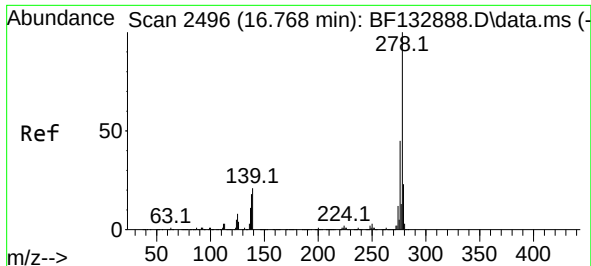
Ion Ratio Lower Upper

252 100

253 21.8 17.7 26.5

125 13.8 9.9 14.9

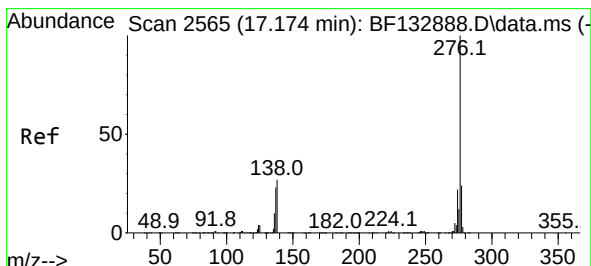
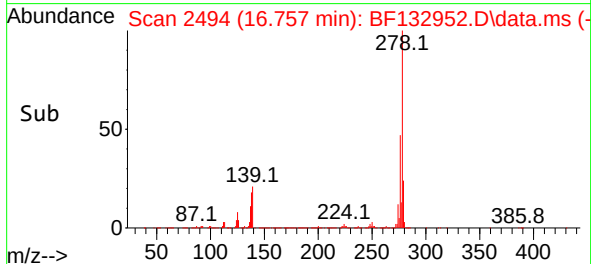
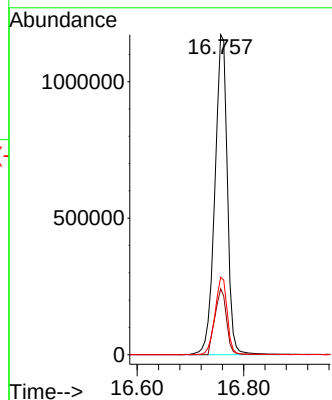
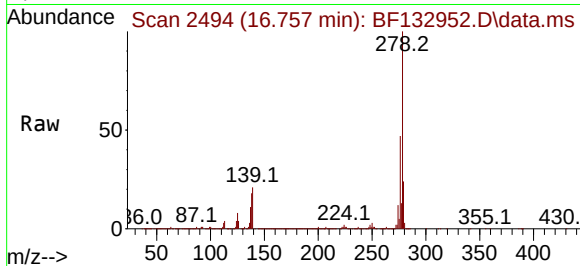




#91
Dibenzo(a,h)anthracene
Concen: 57.063 ng
RT: 16.757 min Scan# 2496
Delta R.T. 0.006 min
Lab File: BF132952.D
Acq: 20 Apr 2023 23:09

Instrument :
BNA_F
ClientSampleId :
SPA-1WC-23-04MS

Tgt Ion:278 Resp: 1911371
Ion Ratio Lower Upper
278 100
139 20.6 16.7 25.1
279 24.2 18.4 27.6



#92
Benzo(g,h,i)perylene
Concen: 59.967 ng
RT: 17.162 min Scan# 2563
Delta R.T. 0.006 min
Lab File: BF132952.D
Acq: 20 Apr 2023 23:09

Tgt Ion:276 Resp: 1923192
Ion Ratio Lower Upper
276 100
277 23.6 18.9 28.3
138 28.2 21.7 32.5

