

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042623\
 Data File : BF133071.D
 Acq On : 26 Apr 2023 18:31
 Operator : CG\JU
 Sample : 02448-04MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20230324-COMP-2MSD

Quant Time: Apr 27 01:59:10 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 27 01:56:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.734	152	172851	20.000	ng	0.00
21) Naphthalene-d8	8.022	136	716749	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	379320	20.000	ng	0.00
64) Phenanthrene-d10	11.257	188	680751	20.000	ng	0.00
76) Chrysene-d12	13.892	240	376957	20.000	ng	0.00
86) Perylene-d12	15.304	264	381562	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.351	112	1200651	104.929	ng	0.01
7) Phenol-d6	6.381	99	1502244	105.773	ng	0.00
23) Nitrobenzene-d5	7.304	82	871721	65.647	ng	0.00
42) 2,4,6-Tribromophenol	10.563	330	401194	105.168	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	1459451	64.369	ng	0.00
79) Terphenyl-d14	12.839	244	1671693	76.484	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.457	88	244242	46.019	ng	97
3) Pyridine	3.152	79	616782	43.754	ng	94
4) n-Nitrosodimethylamine	3.110	42	329291	45.099	ng	95
6) Aniline	6.398	93	801617	43.822	ng	# 87
8) 2-Chlorophenol	6.522	128	607830	52.319	ng	94
9) Benzaldehyde	6.281	77	372161	78.130	ng	99
10) Phenol	6.393	94	731527	46.689	ng	# 73
11) bis(2-Chloroethyl)ether	6.475	93	574585	48.870	ng	98
12) 1,3-Dichlorobenzene	6.675	146	644010	52.139	ng	100
13) 1,4-Dichlorobenzene	6.751	146	640821	51.766	ng	99
14) 1,2-Dichlorobenzene	6.904	146	617760	54.128	ng	96
15) Benzyl Alcohol	6.887	79	498054	50.767	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.022	45	941908	46.124	ng	98
17) 2-Methylphenol	6.998	107	491558	46.207	ng	98
18) Hexachloroethane	7.251	117	223009	51.816	ng	98
19) n-Nitroso-di-n-propyla...	7.157	70	390532	44.169	ng	98
20) 3+4-Methylphenols	7.151	107	590841	47.161	ng	94
22) Acetophenone	7.151	105	793344	47.783	ng	100
24) Nitrobenzene	7.322	77	615933	45.775	ng	100
25) Isophorone	7.563	82	1148814	45.566	ng	100
26) 2-Nitrophenol	7.640	139	337660	52.027	ng	93
27) 2,4-Dimethylphenol	7.681	122	534854	48.060	ng	98
28) bis(2-Chloroethoxy)met...	7.775	93	684058	45.864	ng	99
29) 2,4-Dichlorophenol	7.881	162	498177	49.173	ng	100
30) 1,2,4-Trichlorobenzene	7.963	180	521560	49.693	ng	99
31) Naphthalene	8.045	128	1689199	47.138	ng	99
32) Benzoic acid	7.804	122	369918	53.813	ng	98
33) 4-Chloroaniline	8.092	127	558735	38.590	ng	100
34) Hexachlorobutadiene	8.163	225	283663	48.763	ng	99
35) Caprolactam	8.504	113	68368	20.088	ng	90
36) 4-Chloro-3-methylphenol	8.581	107	544242	49.816	ng	97
37) 2-Methylnaphthalene	8.734	142	1121535	45.778	ng	98
38) 1-Methylnaphthalene	8.834	142	1040366	45.393	ng	98
40) 1,2,4,5-Tetrachloroben...	8.904	216	459349	45.039	ng	99
41) Hexachlorocyclopentadiene	8.892	237	559094	93.997	ng	99
43) 2,4,6-Trichlorophenol	9.016	196	336384	47.692	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042623\
 Data File : BF133071.D
 Acq On : 26 Apr 2023 18:31
 Operator : CG\JU
 Sample : 02448-04MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20230324-COMP-2MSD

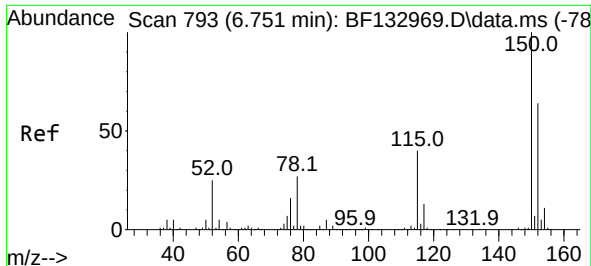
Quant Time: Apr 27 01:59:10 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 27 01:56:03 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.051	196	363383	44.547	ng	99
46) 1,1'-Biphenyl	9.198	154	1377991	45.813	ng	100
47) 2-Chloronaphthalene	9.222	162	1042501	47.353	ng	99
48) 2-Nitroaniline	9.316	65	342922	47.131	ng	95
49) Acenaphthylene	9.639	152	1630829	46.360	ng	99
50) Dimethylphthalate	9.504	163	1222763	46.230	ng	99
51) 2,6-Dinitrotoluene	9.563	165	291797	49.017	ng	# 85
52) Acenaphthene	9.810	154	1057649	44.892	ng	99
53) 3-Nitroaniline	9.728	138	302343	42.714	ng	97
54) 2,4-Dinitrophenol	9.833	184	319346	106.723	ng	98
55) Dibenzofuran	9.981	168	1483963	46.175	ng	99
56) 4-Nitrophenol	9.898	139	529140	96.518	ng	94
57) 2,4-Dinitrotoluene	9.963	165	385343	50.758	ng	94
58) Fluorene	10.322	166	1079880	45.863	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.098	232	307063	48.555	ng	97
60) Diethylphthalate	10.204	149	1152021	46.112	ng	99
61) 4-Chlorophenyl-phenyle...	10.316	204	522536	45.540	ng	98
62) 4-Nitroaniline	10.345	138	344527	52.958	ng	97
63) Azobenzene	10.475	77	1207429	45.623	ng	99
65) 4,6-Dinitro-2-methylph...	10.369	198	221776	53.748	ng	80
66) n-Nitrosodiphenylamine	10.439	169	1011333	45.799	ng	98
67) 4-Bromophenyl-phenylether	10.804	248	339516	45.985	ng	98
68) Hexachlorobenzene	10.869	284	371943	49.164	ng	98
69) Atrazine	10.969	200	347474	54.611	ng	99
70) Pentachlorophenol	11.063	266	432469	80.265	ng	98
71) Phenanthrene	11.280	178	1682542	45.986	ng	99
72) Anthracene	11.333	178	1709313	45.650	ng	100
73) Carbazole	11.486	167	1588537	47.645	ng	99
74) Di-n-butylphthalate	11.822	149	1839447	48.752	ng	100
75) Fluoranthene	12.469	202	1713621	46.667	ng	96
77) Benzidine	12.586	184	885725	138.947	ng	# 94
78) Pyrene	12.692	202	1763143	54.563	ng	98
80) Butylbenzylphthalate	13.316	149	710721	62.118	ng	95
81) Benzo(a)anthracene	13.880	228	1244566	48.012	ng	100
82) 3,3'-Dichlorobenzidine	13.845	252	389369	54.373	ng	99
83) Chrysene	13.916	228	1203703	46.447	ng	100
84) Bis(2-ethylhexyl)phtha...	13.880	149	792122	55.157	ng	99
85) Di-n-octyl phthalate	14.492	149	1256160	53.644	ng	97
87) Indeno(1,2,3-cd)pyrene	16.692	276	1409860	64.958	ng	100
88) Benzo(b)fluoranthene	14.904	252	1126021	46.387	ng	99
89) Benzo(k)fluoranthene	14.933	252	1087160	45.180	ng	99
90) Benzo(a)pyrene	15.251	252	1004776	45.476	ng	99
91) Dibenzo(a,h)anthracene	16.709	278	1169344	64.597	ng	98
92) Benzo(g,h,i)perylene	17.109	276	1183898	66.245	ng	99

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

Quant Time: Apr 27 01:59:10 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 27 01:56:03 2023
Response via : Initial Calibration

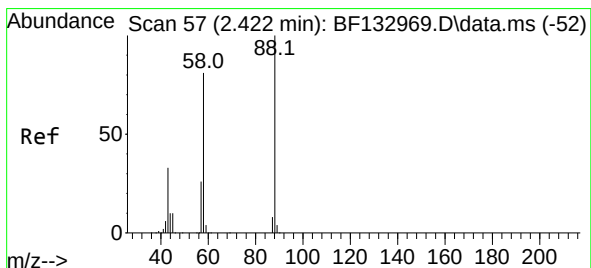
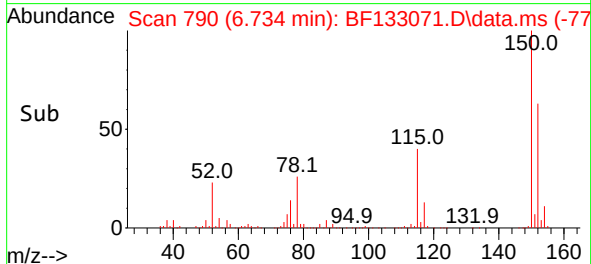
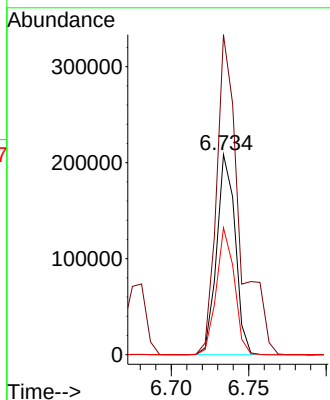
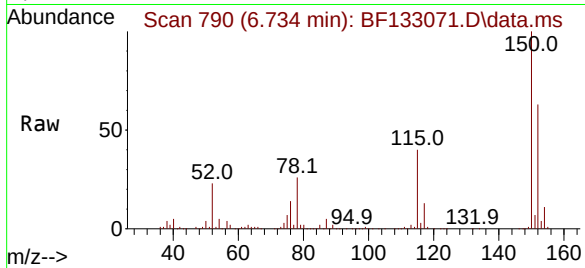




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.734 min Scan# 793
 Delta R.T. -0.005 min
 Lab File: BF133071.D
 Acq: 26 Apr 2023 18:31

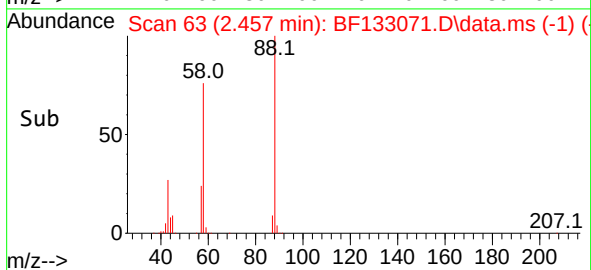
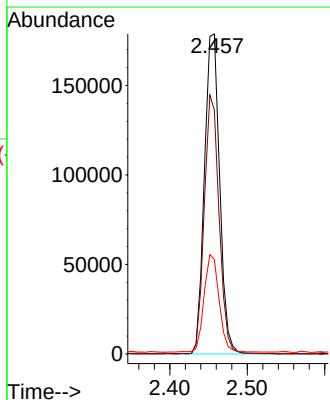
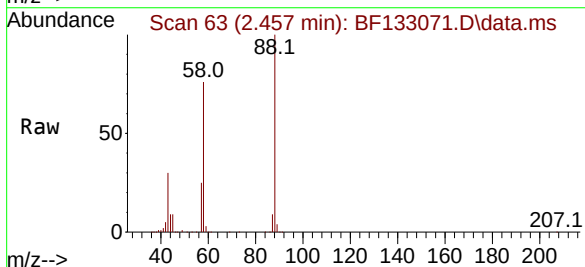
Instrument :
 BNA_F
 ClientSampleId :
 20230324-COMP-2MSD

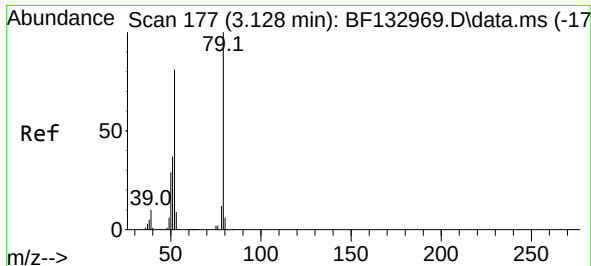
Tgt Ion:152 Resp: 172851
 Ion Ratio Lower Upper
 152 100
 150 159.8 124.8 187.2
 115 63.4 49.9 74.9



#2
 1,4-Dioxane
 Concen: 46.019 ng
 RT: 2.457 min Scan# 63
 Delta R.T. 0.071 min
 Lab File: BF133071.D
 Acq: 26 Apr 2023 18:31

Tgt Ion: 88 Resp: 244242
 Ion Ratio Lower Upper
 88 100
 58 78.8 64.7 97.1
 43 30.2 26.2 39.2





#3

Pyridine

Concen: 43.754 ng

RT: 3.152 min Scan# 11

Delta R.T. 0.071 min

Lab File: BF133071.D

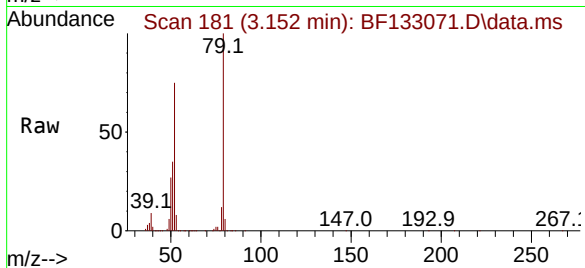
Acq: 26 Apr 2023 18:31

Instrument :

BNA_F

ClientSampleId :

20230324-COMP-2MSD



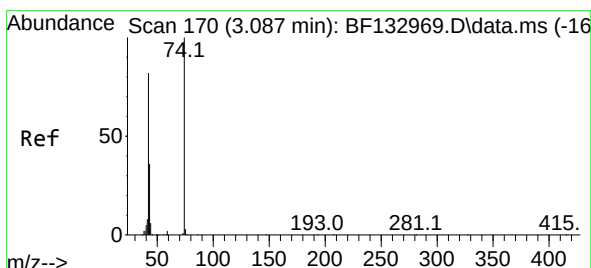
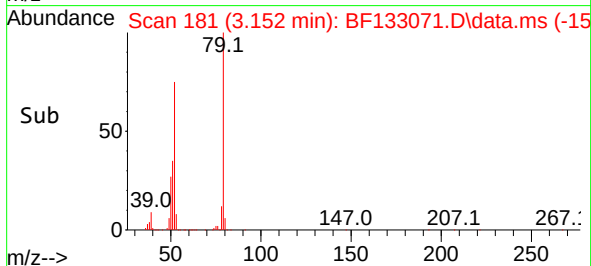
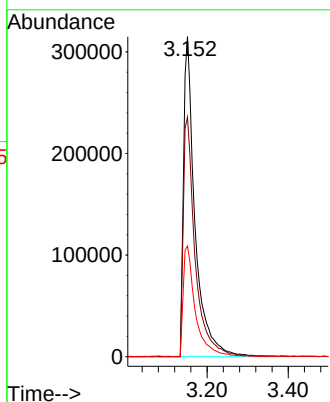
Tgt Ion: 79 Resp: 616782

Ion Ratio Lower Upper

79 100

52 74.9 64.6 96.8

51 34.6 30.0 45.0



#4

n-Nitrosodimethylamine

Concen: 45.099 ng

RT: 3.110 min Scan# 174

Delta R.T. 0.071 min

Lab File: BF133071.D

Acq: 26 Apr 2023 18:31

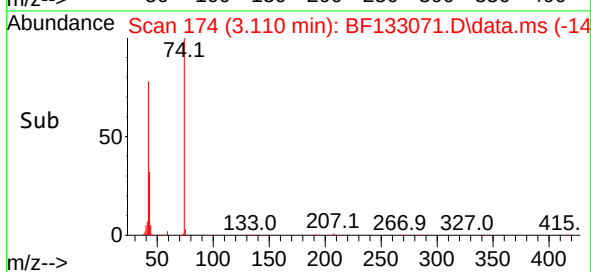
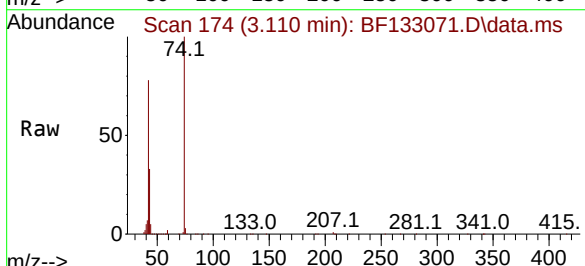
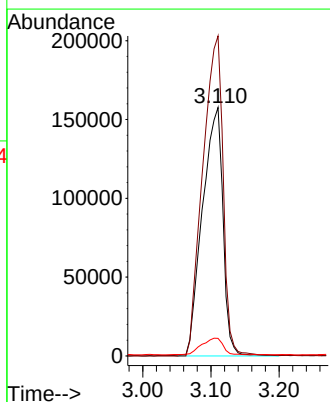
Tgt Ion: 42 Resp: 329291

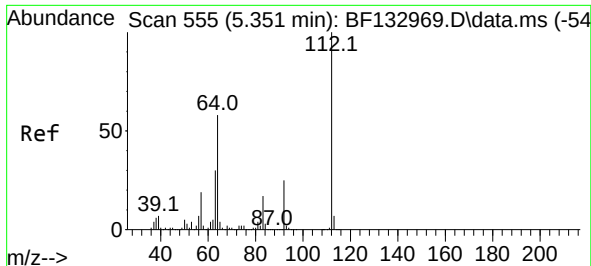
Ion Ratio Lower Upper

42 100

74 128.8 98.0 147.0

44 7.1 5.8 8.8

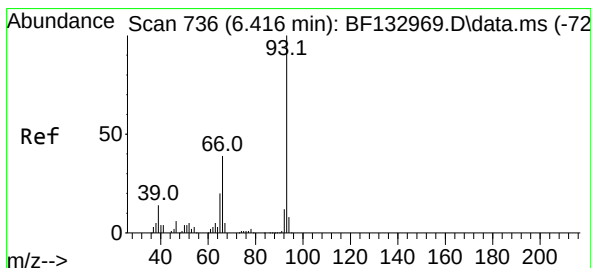
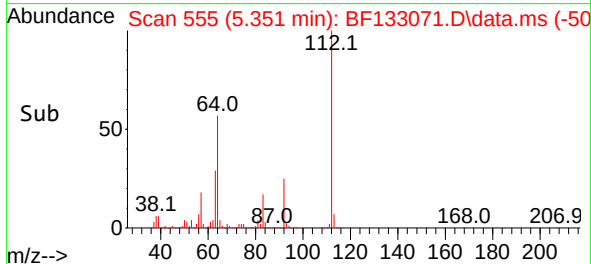
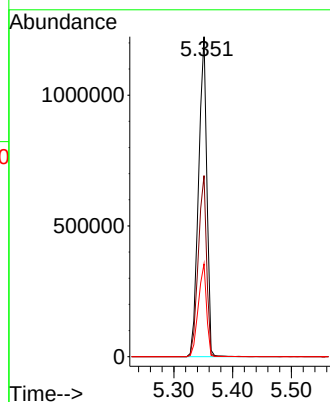
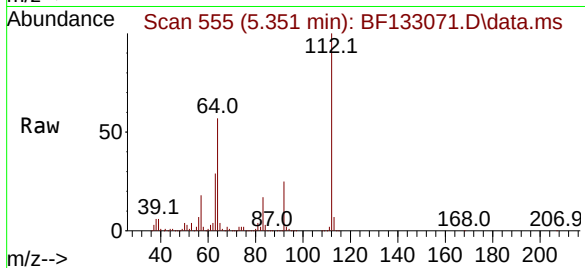




#5
2-Fluorophenol
Concen: 104.929 ng
RT: 5.351 min Scan# 51
Delta R.T. 0.012 min
Lab File: BF133071.D
Acq: 26 Apr 2023 18:31

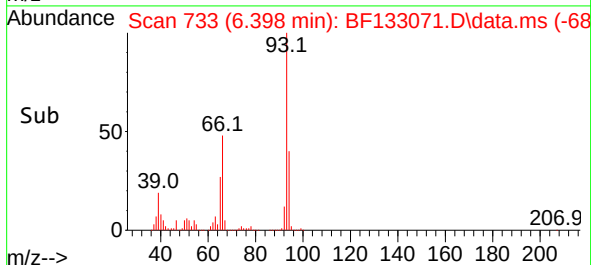
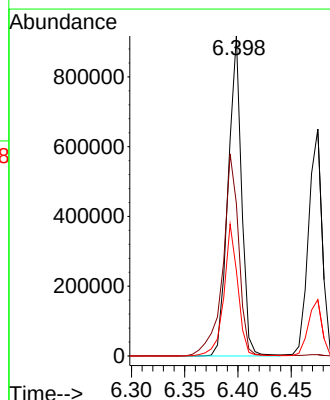
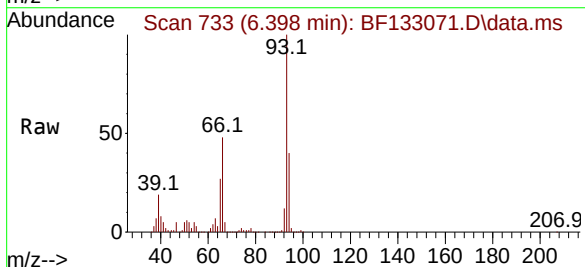
Instrument :
BNA_F
ClientSampleId :
20230324-COMP-2MSD

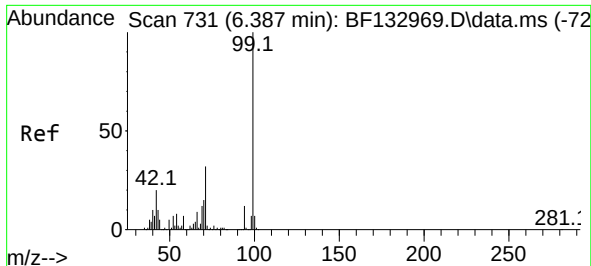
Tgt Ion:112 Resp: 1200651
Ion Ratio Lower Upper
112 100
64 56.6 46.8 70.2
63 29.0 23.8 35.8



#6
Aniline
Concen: 43.822 ng
RT: 6.398 min Scan# 733
Delta R.T. -0.006 min
Lab File: BF133071.D
Acq: 26 Apr 2023 18:31

Tgt Ion: 93 Resp: 801617
Ion Ratio Lower Upper
93 100
66 47.7 31.5 47.3#
65 26.7 16.4 24.6#





#7

Phenol-d6

Concen: 105.773 ng

RT: 6.381 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF133071.D

Acq: 26 Apr 2023 18:31

Instrument :

BNA_F

ClientSampleId :

20230324-COMP-2MSD

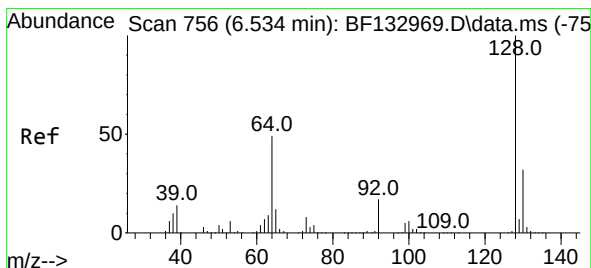
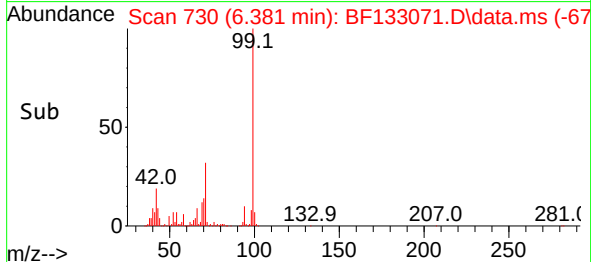
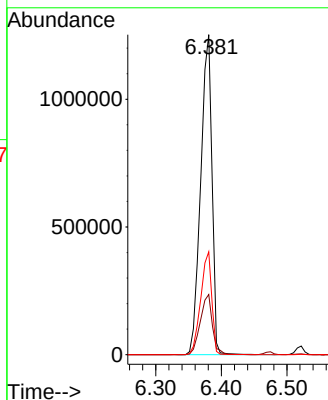
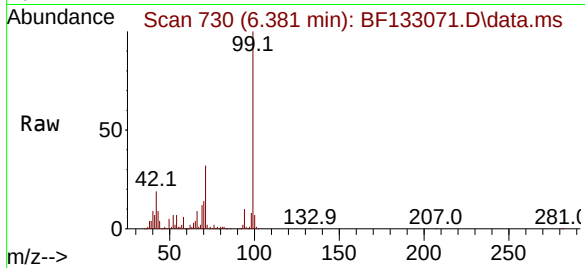
Tgt Ion: 99 Resp: 1502244

Ion Ratio Lower Upper

99 100

42 18.8 16.3 24.5

71 32.2 25.6 38.4



#8

2-Chlorophenol

Concen: 52.319 ng

RT: 6.522 min Scan# 754

Delta R.T. 0.000 min

Lab File: BF133071.D

Acq: 26 Apr 2023 18:31

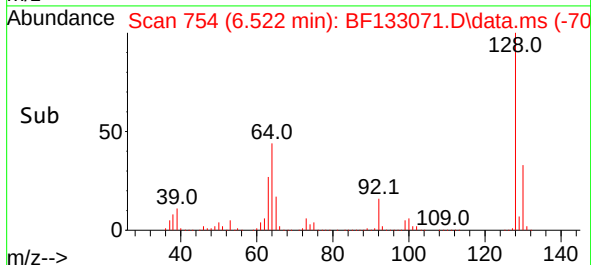
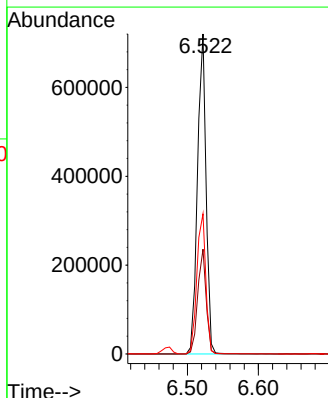
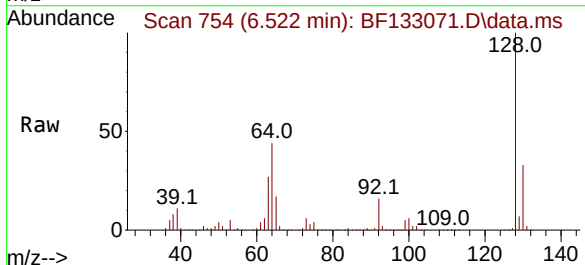
Tgt Ion:128 Resp: 607830

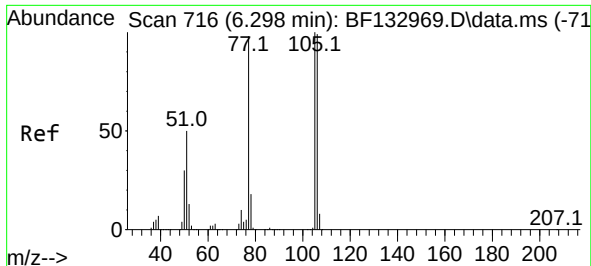
Ion Ratio Lower Upper

128 100

130 32.8 12.2 52.2

64 43.8 30.3 70.3

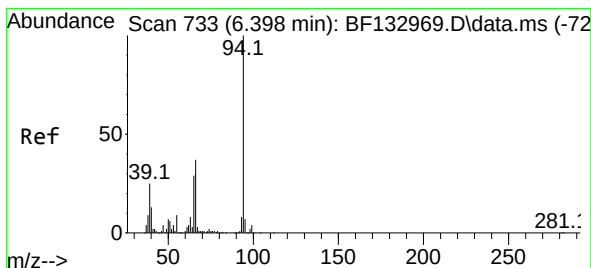
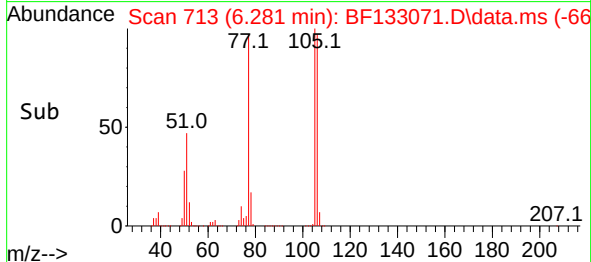
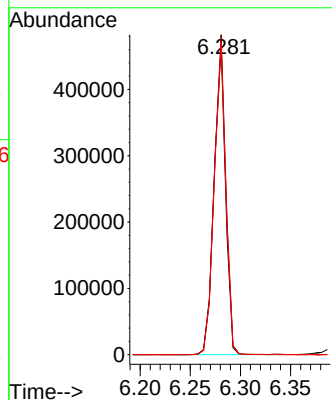
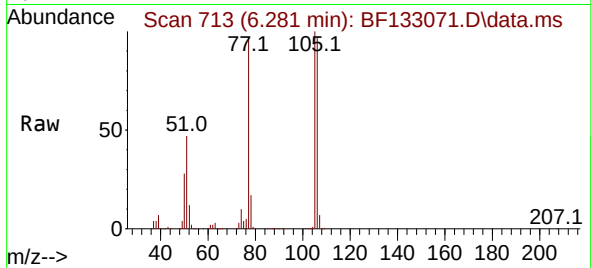




#9
Benzaldehyde
Concen: 78.130 ng
RT: 6.281 min Scan# 716
Delta R.T. 0.000 min
Lab File: BF133071.D
Acq: 26 Apr 2023 18:31

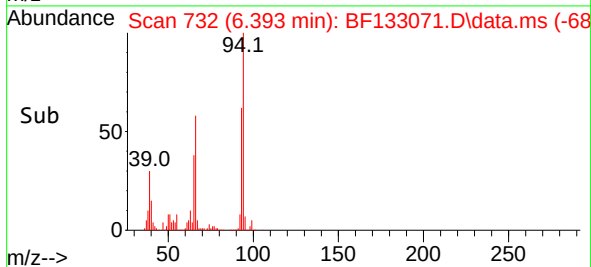
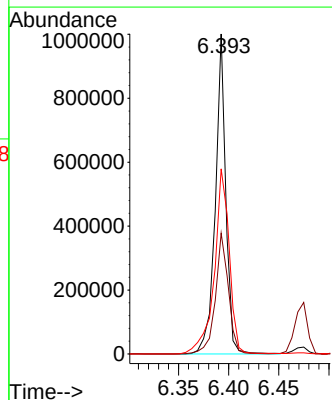
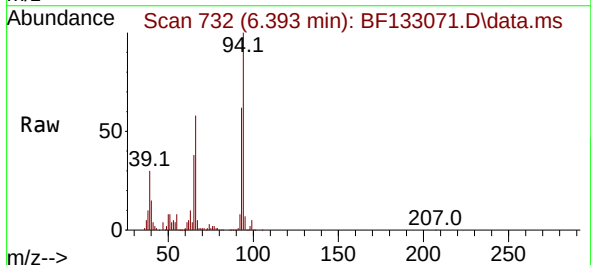
Instrument :
BNA_F
ClientSampleId :
20230324-COMP-2MSD

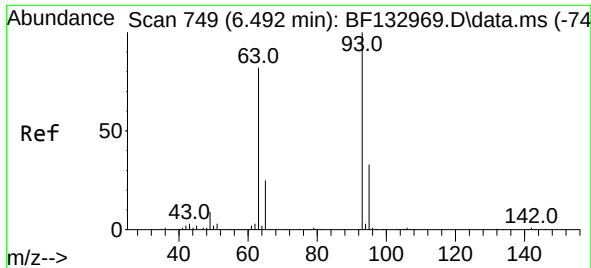
Tgt Ion: 77 Resp: 372161
Ion Ratio Lower Upper
77 100
105 103.4 82.3 122.3
106 100.8 80.8 120.8



#10
Phenol
Concen: 46.689 ng
RT: 6.393 min Scan# 732
Delta R.T. 0.000 min
Lab File: BF133071.D
Acq: 26 Apr 2023 18:31

Tgt Ion: 94 Resp: 731527
Ion Ratio Lower Upper
94 100
65 37.7 8.6 48.6
66 57.9 17.3 57.3#

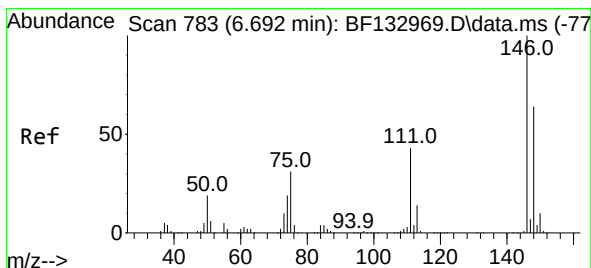
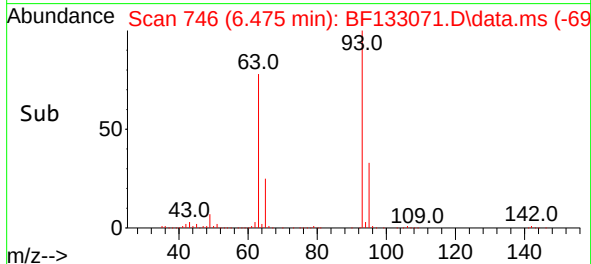
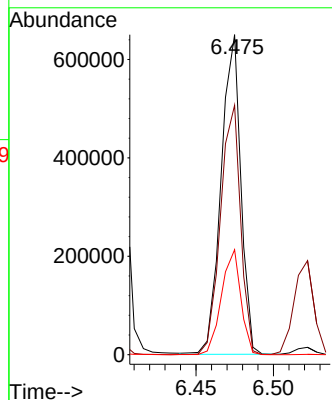
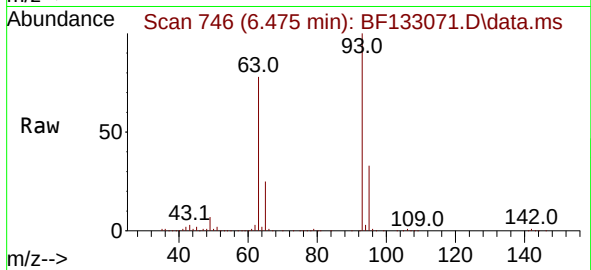




#11
bis(2-Chloroethyl)ether
Concen: 48.870 ng
RT: 6.475 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF133071.D
Acq: 26 Apr 2023 18:31

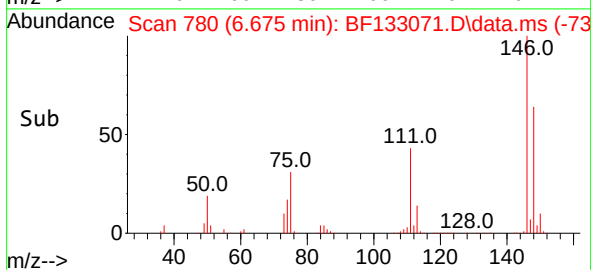
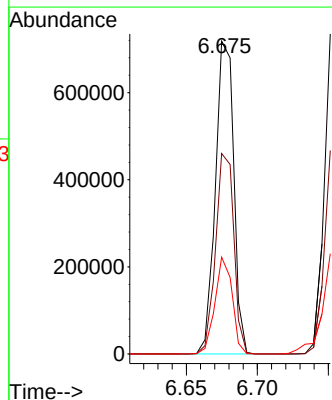
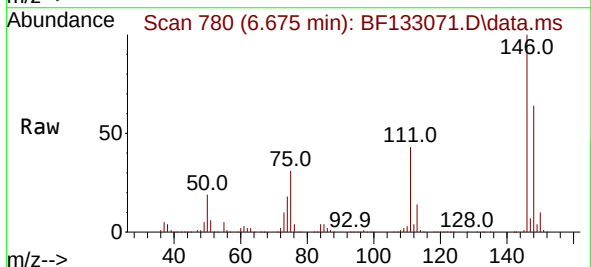
Instrument :
BNA_F
ClientSampleId :
20230324-COMP-2MSD

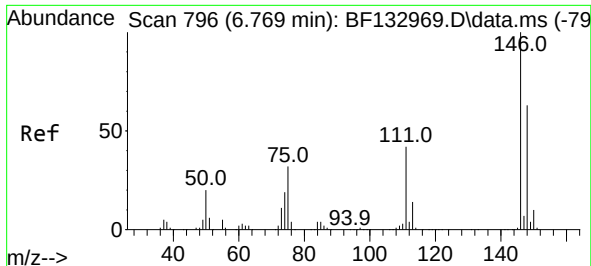
Tgt Ion: 93 Resp: 574585
Ion Ratio Lower Upper
93 100
63 78.0 60.6 100.6
95 32.8 12.9 52.9



#12
1,3-Dichlorobenzene
Concen: 52.139 ng
RT: 6.675 min Scan# 780
Delta R.T. -0.006 min
Lab File: BF133071.D
Acq: 26 Apr 2023 18:31

Tgt Ion:146 Resp: 644010
Ion Ratio Lower Upper
146 100
148 64.1 51.0 76.4
75 30.9 24.8 37.2





#13

1,4-Dichlorobenzene

Concen: 51.766 ng

RT: 6.751 min Scan# 796

Delta R.T. -0.006 min

Lab File: BF133071.D

Acq: 26 Apr 2023 18:31

Instrument :

BNA_F

ClientSampleId :

20230324-COMP-2MSD

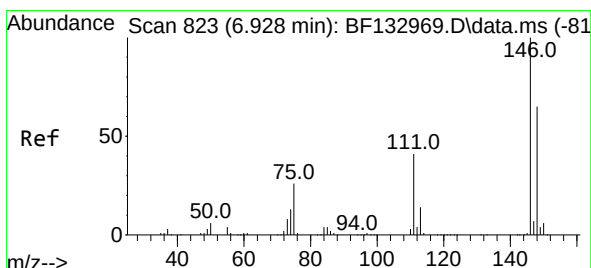
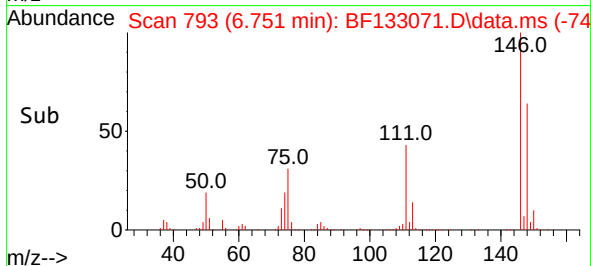
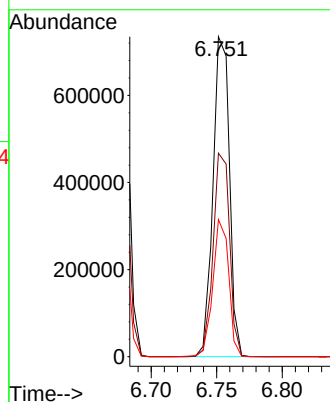
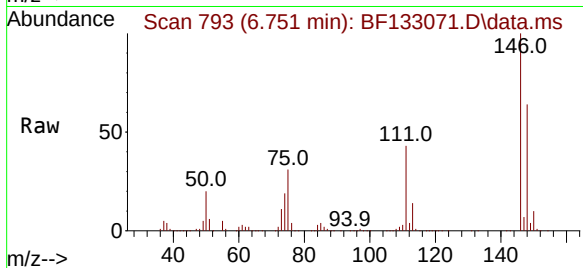
Tgt Ion:146 Resp: 640821

Ion Ratio Lower Upper

146 100

148 63.6 50.3 75.5

111 42.9 33.8 50.6



#14

1,2-Dichlorobenzene

Concen: 54.128 ng

RT: 6.904 min Scan# 819

Delta R.T. -0.006 min

Lab File: BF133071.D

Acq: 26 Apr 2023 18:31

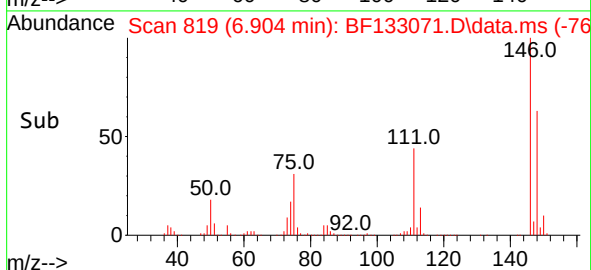
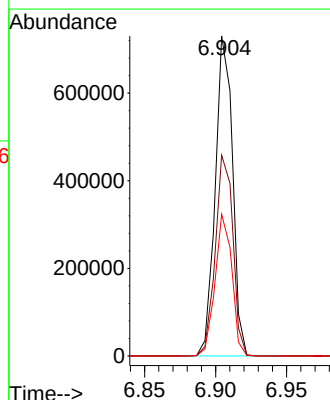
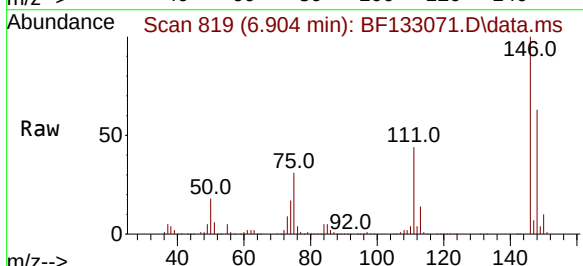
Tgt Ion:146 Resp: 617760

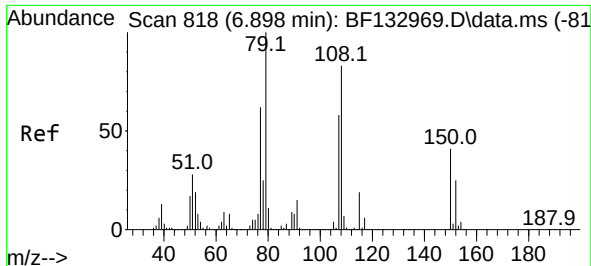
Ion Ratio Lower Upper

146 100

148 62.8 52.2 78.2

111 44.3 32.8 49.2

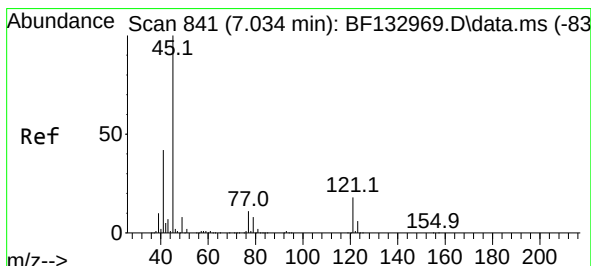
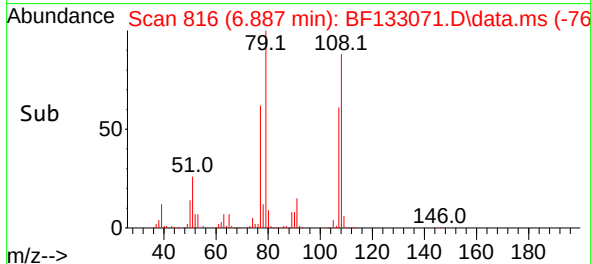
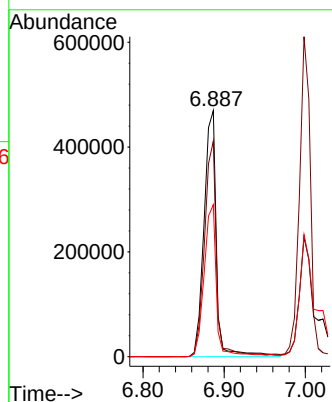
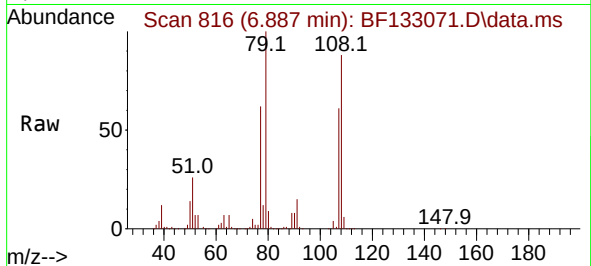




#15
Benzyl Alcohol
Concen: 50.767 ng
RT: 6.887 min Scan# 816
Delta R.T. 0.006 min
Lab File: BF133071.D
Acq: 26 Apr 2023 18:31

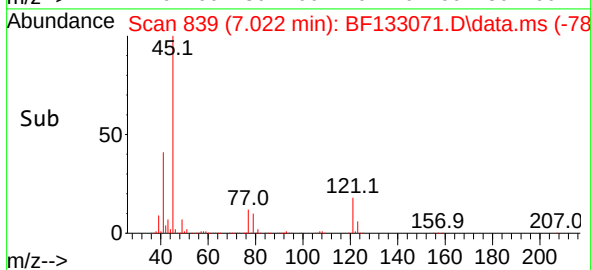
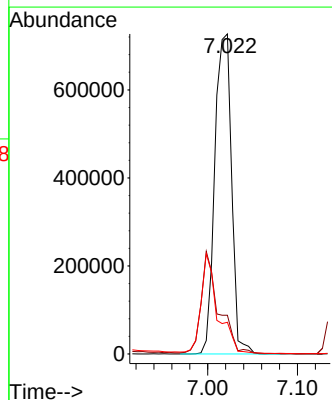
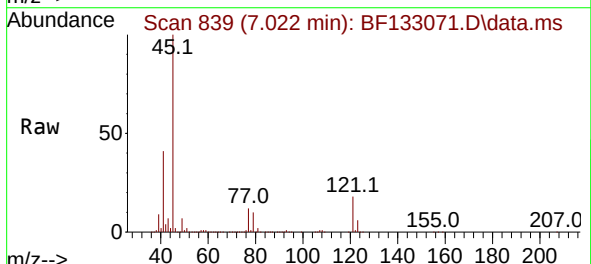
Instrument :
BNA_F
ClientSampleId :
20230324-COMP-2MSD

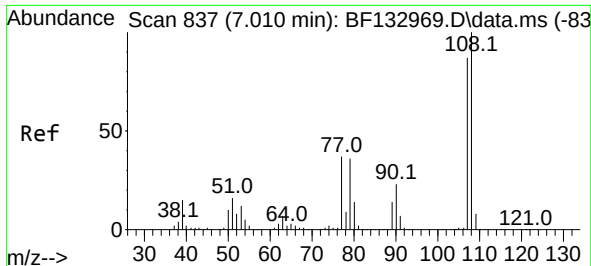
Tgt Ion: 79 Resp: 498054
Ion Ratio Lower Upper
79 100
108 87.6 66.6 99.8
77 61.8 49.2 73.8



#16
2,2'-oxybis(1-Chloropropane)
Concen: 46.124 ng
RT: 7.022 min Scan# 839
Delta R.T. 0.000 min
Lab File: BF133071.D
Acq: 26 Apr 2023 18:31

Tgt Ion: 45 Resp: 941908
Ion Ratio Lower Upper
45 100
77 12.1 0.0 31.5
79 9.9 0.0 28.7

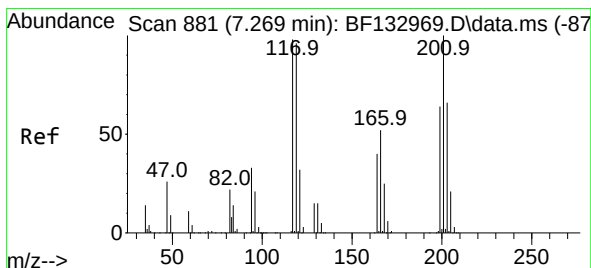
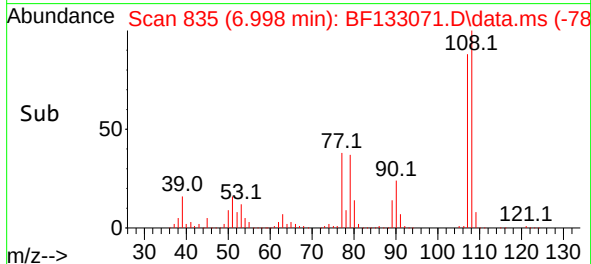
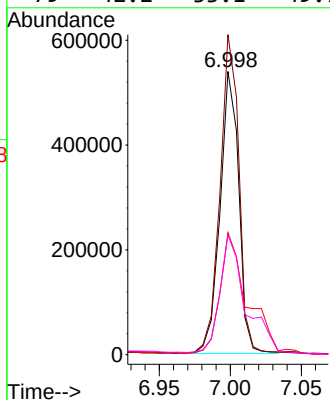
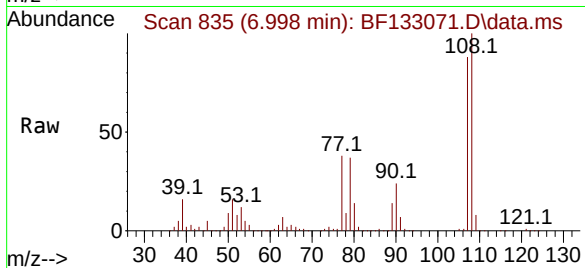




#17
2-Methylphenol
Concen: 46.207 ng
RT: 6.998 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF133071.D
Acq: 26 Apr 2023 18:31

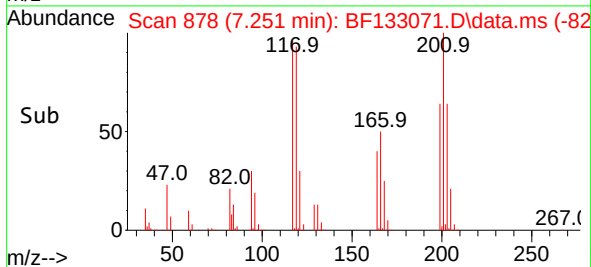
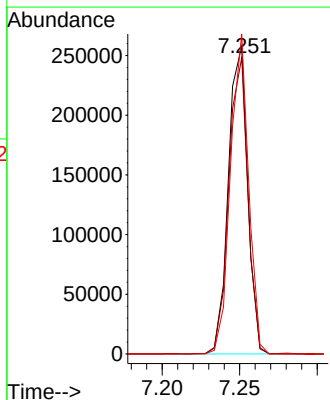
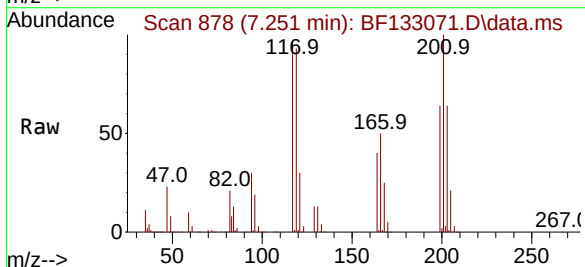
Instrument :
BNA_F
ClientSampleId :
20230324-COMP-2MSD

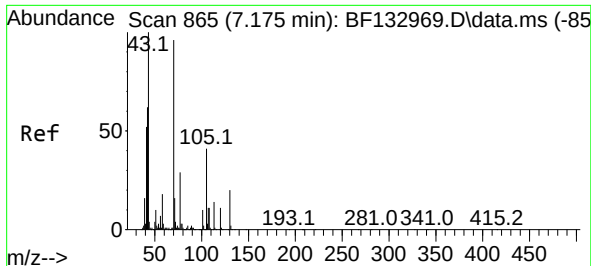
Tgt Ion:107 Resp: 491558
Ion Ratio Lower Upper
107 100
108 113.0 92.4 138.6
77 43.1 33.8 50.8
79 42.2 33.1 49.7



#18
Hexachloroethane
Concen: 51.816 ng
RT: 7.251 min Scan# 878
Delta R.T. 0.000 min
Lab File: BF133071.D
Acq: 26 Apr 2023 18:31

Tgt Ion:117 Resp: 223009
Ion Ratio Lower Upper
117 100
119 96.2 78.2 117.4
201 103.9 81.7 122.5





#19

n-Nitroso-di-n-propylamine

Concen: 44.169 ng

RT: 7.157 min Scan# 80

Delta R.T. 0.000 min

Lab File: BF133071.D

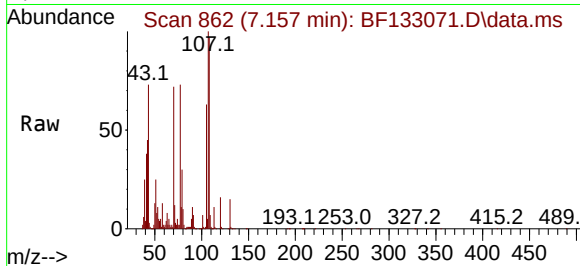
Acq: 26 Apr 2023 18:31

Instrument :

BNA_F

ClientSampleId :

20230324-COMP-2MSD



Tgt Ion: 70 Resp: 390532

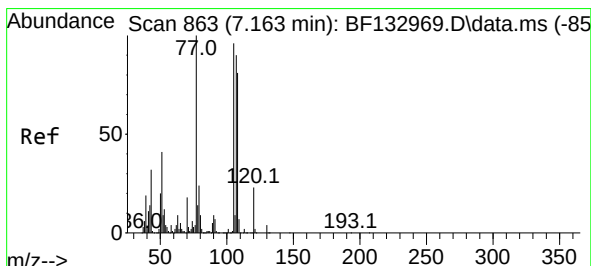
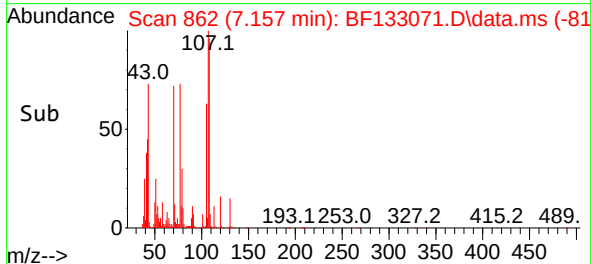
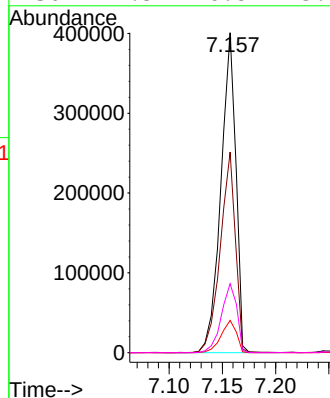
Ion Ratio Lower Upper

70 100

42 62.7 51.8 77.6

101 10.1 8.0 12.0

130 21.5 16.8 25.2



#20

3+4-Methylphenols

Concen: 47.161 ng

RT: 7.151 min Scan# 861

Delta R.T. 0.000 min

Lab File: BF133071.D

Acq: 26 Apr 2023 18:31

Tgt Ion: 107 Resp: 590841

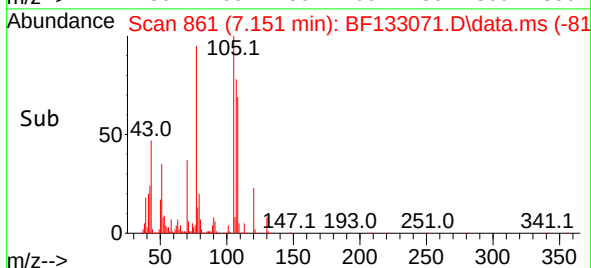
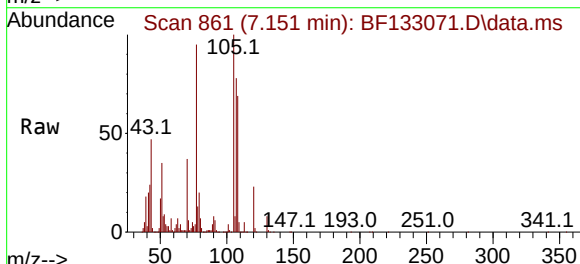
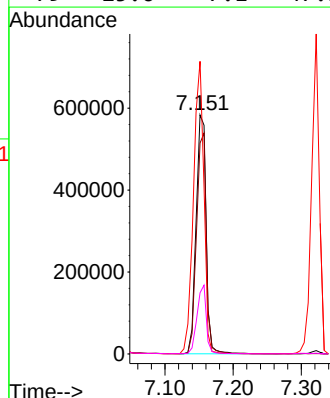
Ion Ratio Lower Upper

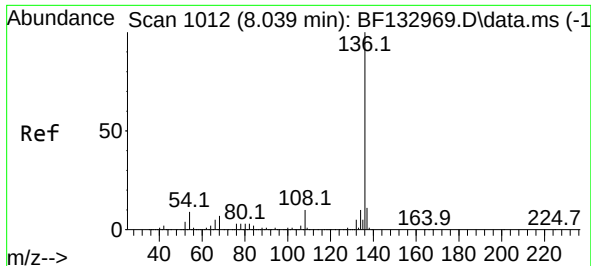
107 100

108 88.2 70.5 110.5

77 122.4 91.7 131.7

79 25.6 7.1 47.1

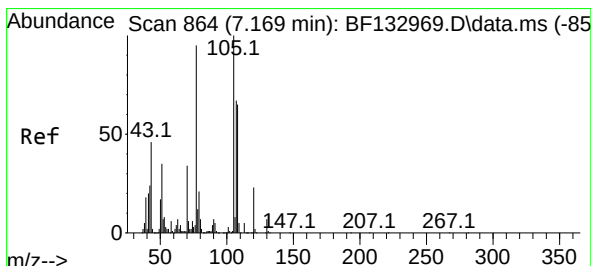
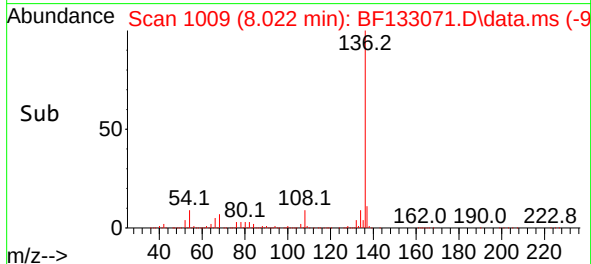
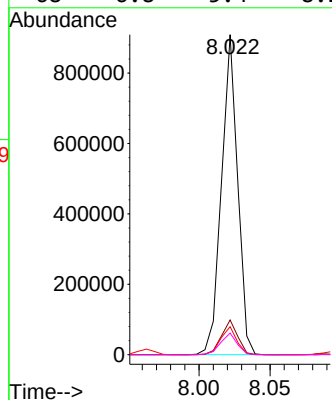
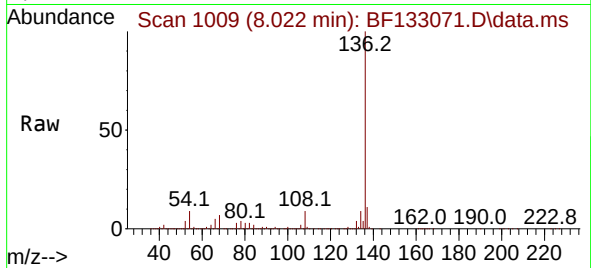




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.022 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF133071.D
Acq: 26 Apr 2023 18:31

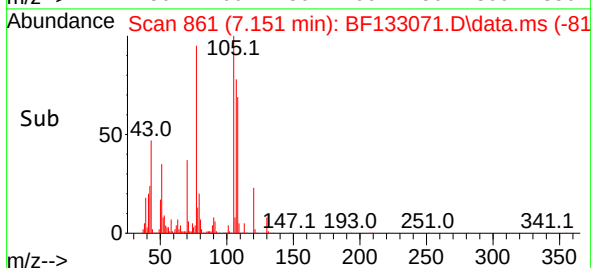
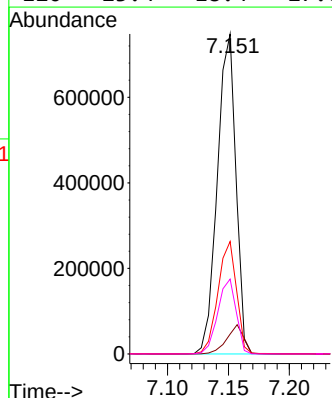
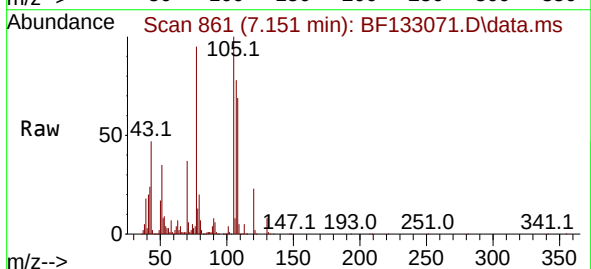
Instrument :
BNA_F
ClientSampleId :
20230324-COMP-2MSD

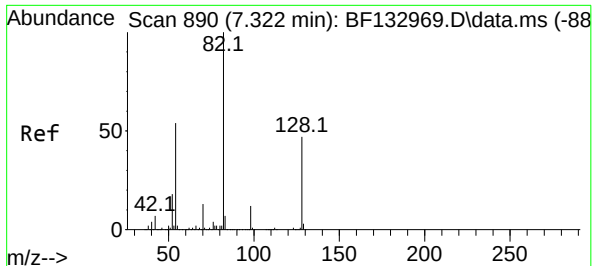
Tgt Ion:136 Resp: 716749
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.7 7.0 10.4
68 6.8 5.4 8.2



#22
Acetophenone
Concen: 47.783 ng
RT: 7.151 min Scan# 861
Delta R.T. 0.000 min
Lab File: BF133071.D
Acq: 26 Apr 2023 18:31

Tgt Ion:105 Resp: 793344
Ion Ratio Lower Upper
105 100
71 6.2 4.6 7.0
51 35.1 28.2 42.2
120 23.4 18.4 27.6





#23

Nitrobenzene-d5

Concen: 65.647 ng

RT: 7.304 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF133071.D

Acq: 26 Apr 2023 18:31

Instrument :

BNA_F

ClientSampleId :

20230324-COMP-2MSD

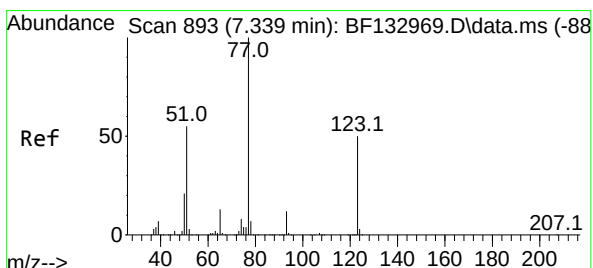
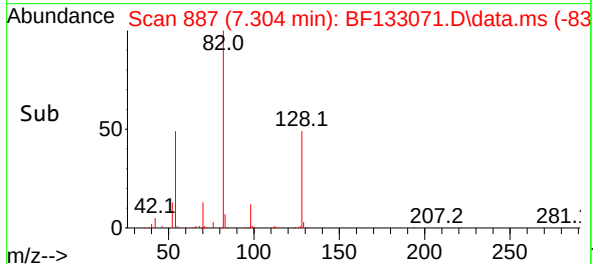
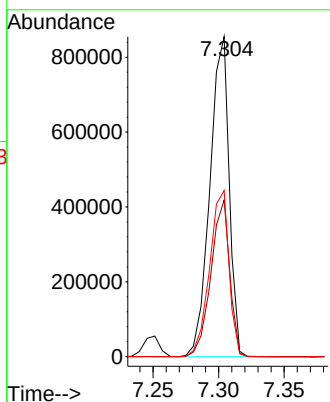
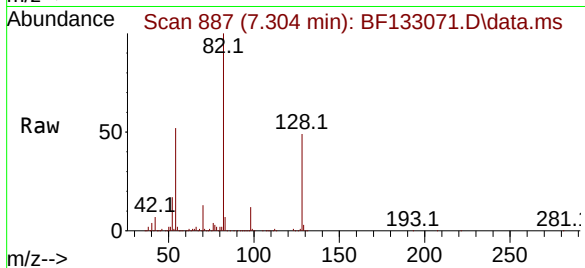
Tgt Ion: 82 Resp: 871721

Ion Ratio Lower Upper

82 100

128 48.9 37.7 56.5

54 51.9 43.0 64.4



#24

Nitrobenzene

Concen: 45.775 ng

RT: 7.322 min Scan# 890

Delta R.T. 0.000 min

Lab File: BF133071.D

Acq: 26 Apr 2023 18:31

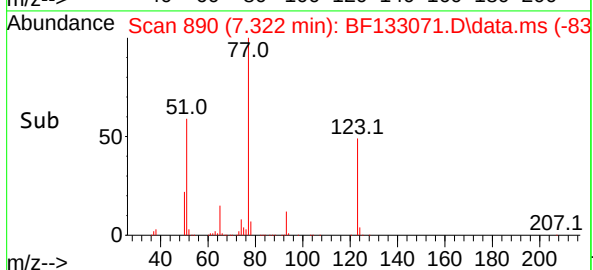
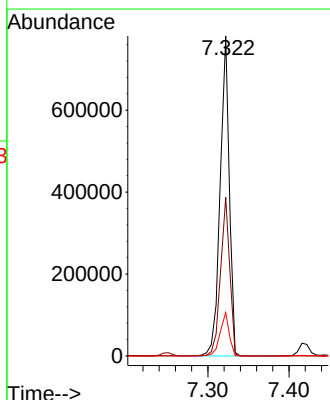
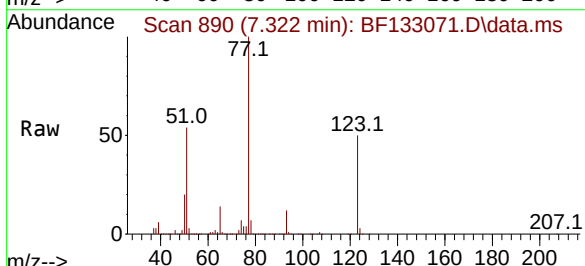
Tgt Ion: 77 Resp: 615933

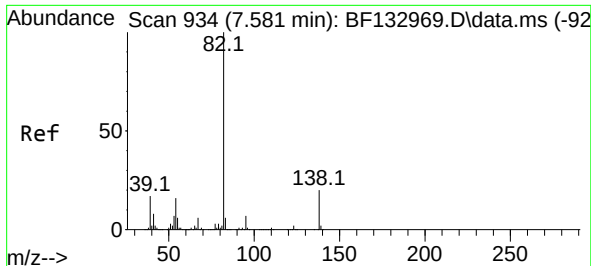
Ion Ratio Lower Upper

77 100

123 49.6 39.9 59.9

65 13.5 10.7 16.1





#25

Isophorone

Concen: 45.566 ng

RT: 7.563 min Scan# 911

Delta R.T. 0.000 min

Lab File: BF133071.D

Acq: 26 Apr 2023 18:31

Instrument :

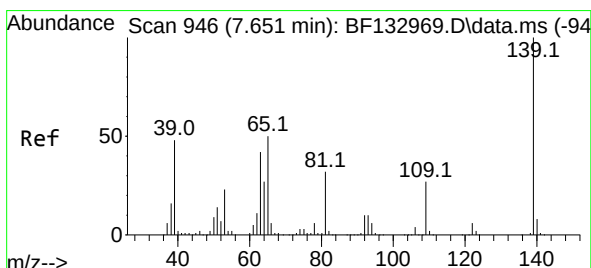
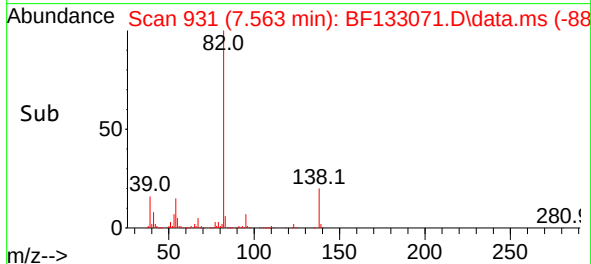
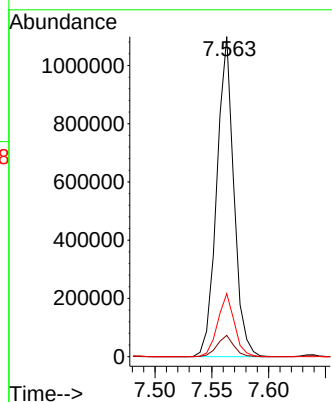
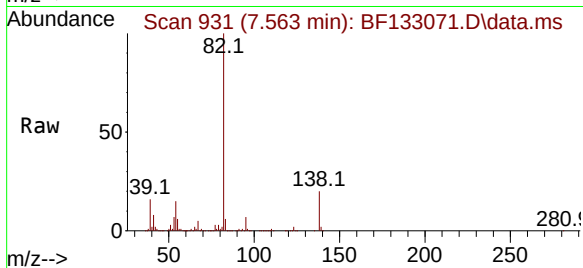
BNA_F

ClientSampleId :

20230324-COMP-2MSD

Tgt Ion: 82 Resp: 1148814

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.4	8.0
138	19.7	16.0	24.0



#26

2-Nitrophenol

Concen: 52.027 ng

RT: 7.640 min Scan# 944

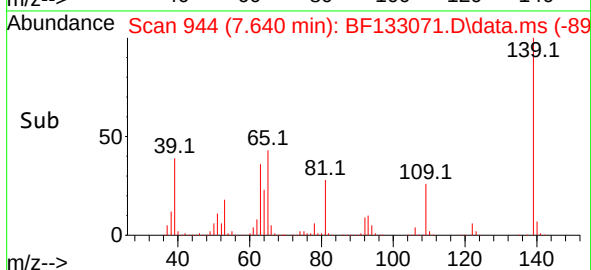
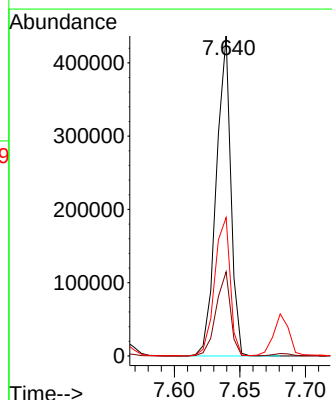
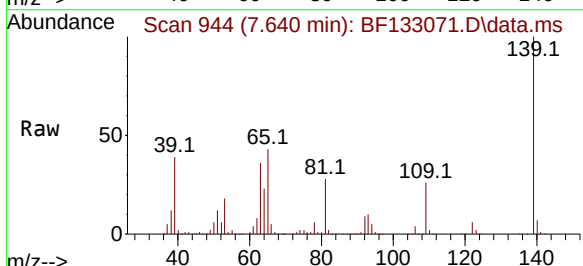
Delta R.T. 0.000 min

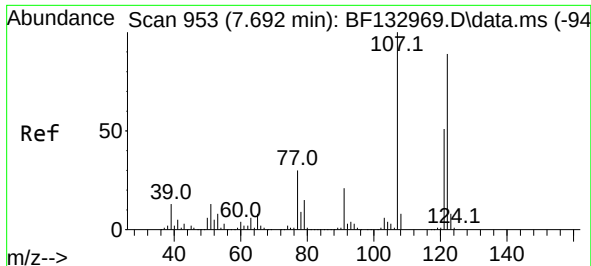
Lab File: BF133071.D

Acq: 26 Apr 2023 18:31

Tgt Ion: 139 Resp: 337660

Ion	Ratio	Lower	Upper
139	100		
109	26.3	21.6	32.4
65	43.3	39.8	59.6





#27

2,4-Dimethylphenol

Concen: 48.060 ng

RT: 7.681 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF133071.D

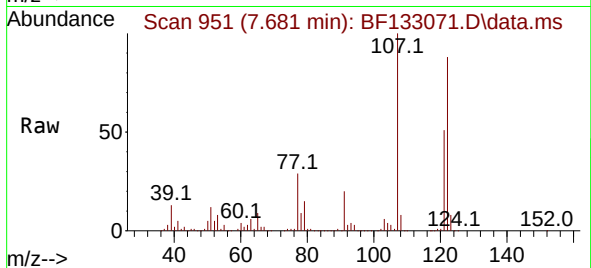
Acq: 26 Apr 2023 18:31

Instrument :

BNA_F

ClientSampleId :

20230324-COMP-2MSD



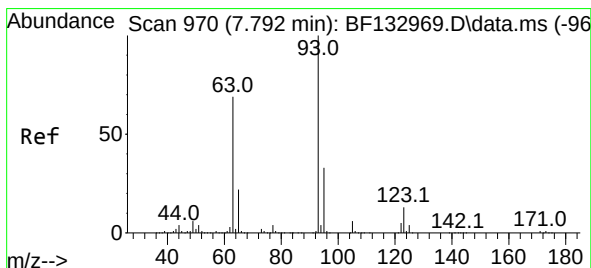
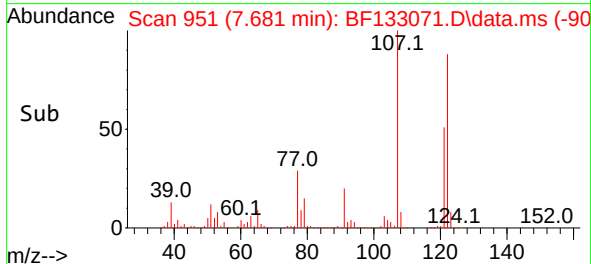
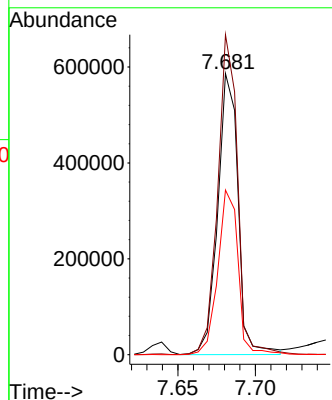
Tgt Ion:122 Resp: 534854

Ion Ratio Lower Upper

122 100

107 113.8 89.7 134.5

121 58.6 46.0 69.0



#28

bis(2-Chloroethoxy)methane

Concen: 45.864 ng

RT: 7.775 min Scan# 967

Delta R.T. 0.000 min

Lab File: BF133071.D

Acq: 26 Apr 2023 18:31

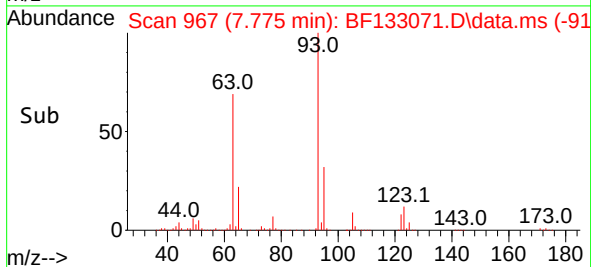
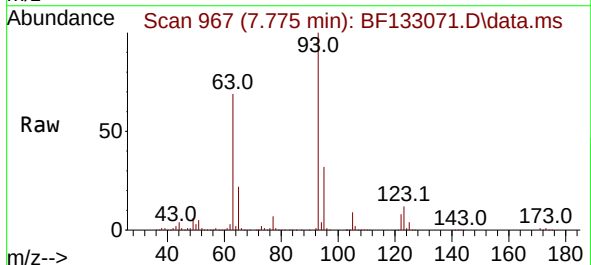
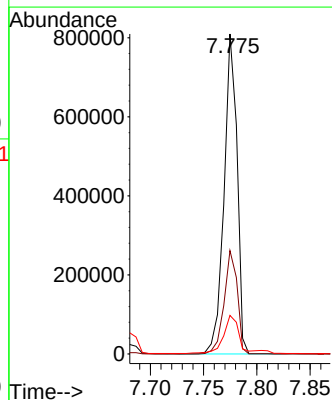
Tgt Ion: 93 Resp: 684058

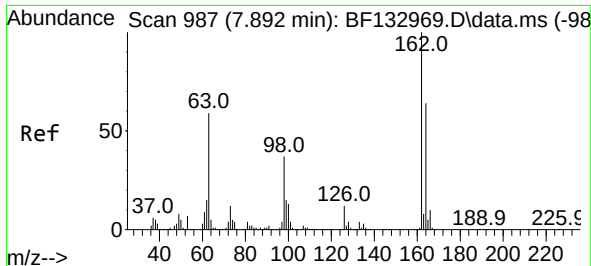
Ion Ratio Lower Upper

93 100

95 32.3 26.4 39.6

123 12.0 10.3 15.5





#29

2,4-Dichlorophenol

Concen: 49.173 ng

RT: 7.881 min Scan# 999

Delta R.T. 0.000 min

Lab File: BF133071.D

Acq: 26 Apr 2023 18:31

Instrument :

BNA_F

ClientSampleId :

20230324-COMP-2MSD

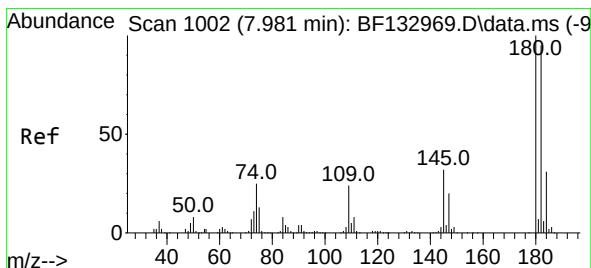
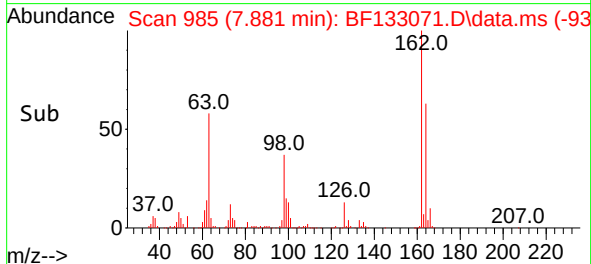
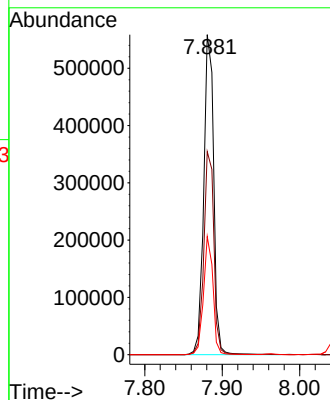
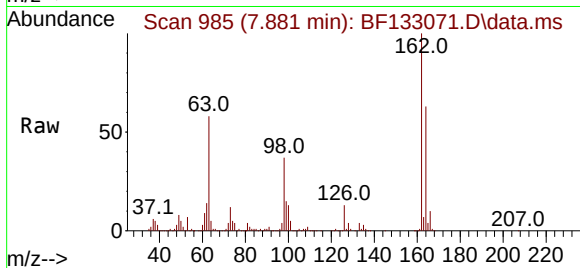
Tgt Ion:162 Resp: 498177

Ion Ratio Lower Upper

162 100

164 63.5 43.9 83.9

98 36.9 17.0 57.0



#30

1,2,4-Trichlorobenzene

Concen: 49.693 ng

RT: 7.963 min Scan# 999

Delta R.T. 0.000 min

Lab File: BF133071.D

Acq: 26 Apr 2023 18:31

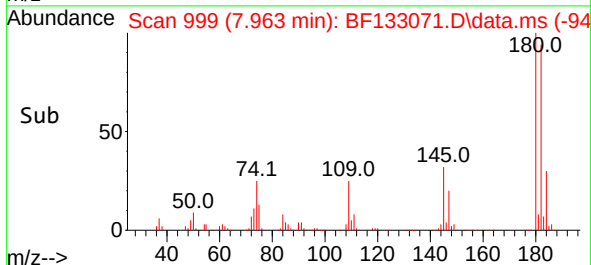
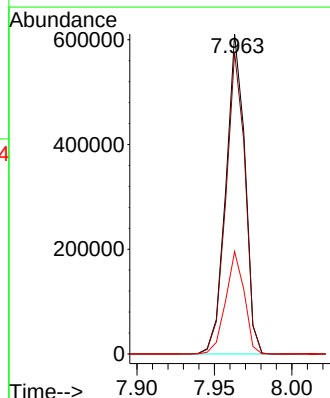
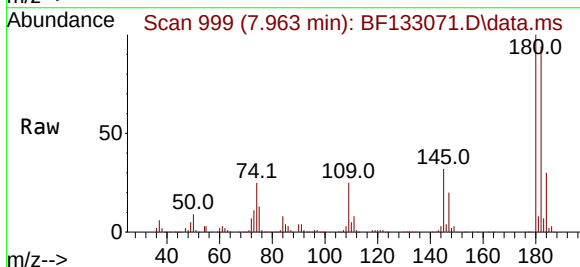
Tgt Ion:180 Resp: 521560

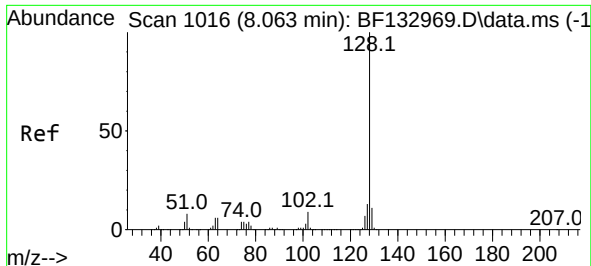
Ion Ratio Lower Upper

180 100

182 94.3 75.9 113.9

145 32.0 25.3 37.9

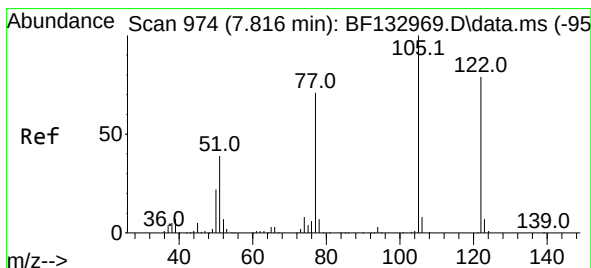
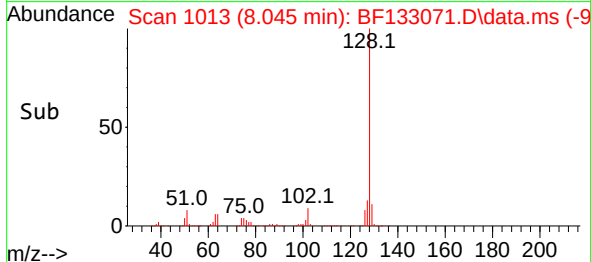
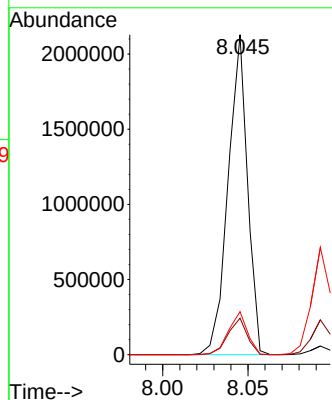
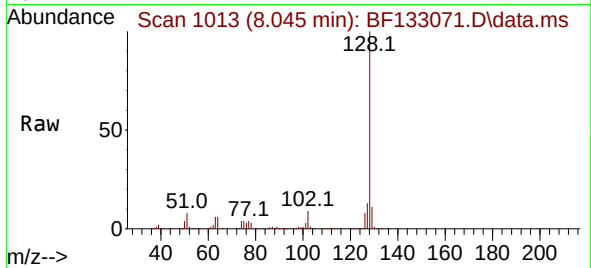




#31
Naphthalene
Concen: 47.138 ng
RT: 8.045 min Scan# 1016
Delta R.T. 0.000 min
Lab File: BF133071.D
Acq: 26 Apr 2023 18:31

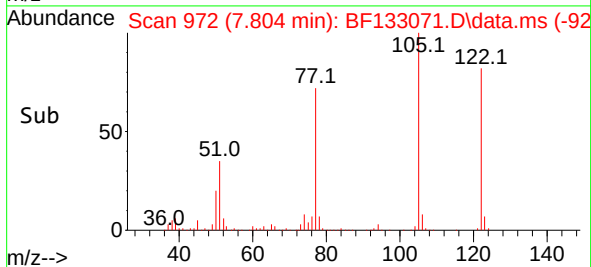
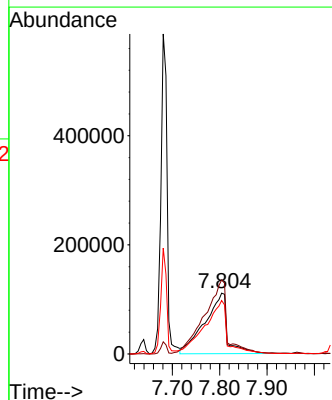
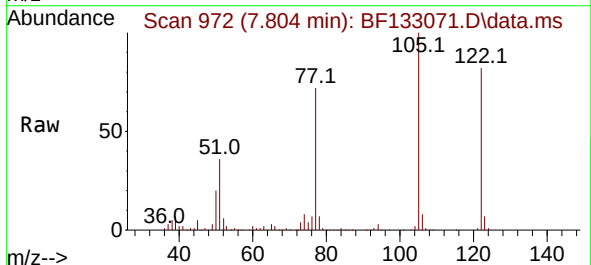
Instrument :
BNA_F
ClientSampleId :
20230324-COMP-2MSD

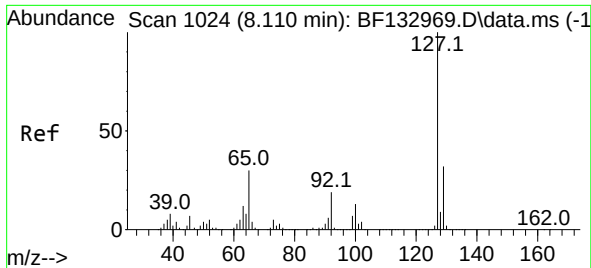
Tgt Ion:128 Resp: 1689199
Ion Ratio Lower Upper
128 100
129 11.4 8.8 13.2
127 13.5 10.7 16.1



#32
Benzoic acid
Concen: 53.813 ng
RT: 7.804 min Scan# 972
Delta R.T. 0.006 min
Lab File: BF133071.D
Acq: 26 Apr 2023 18:31

Tgt Ion:122 Resp: 369918
Ion Ratio Lower Upper
122 100
105 121.9 104.2 144.2
77 88.0 69.7 109.7

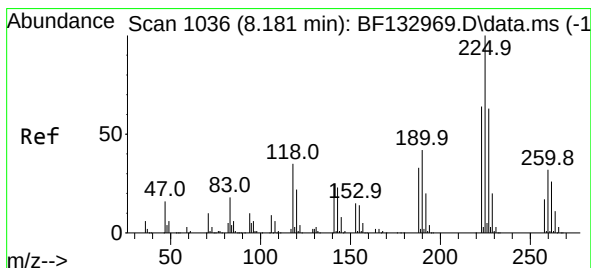
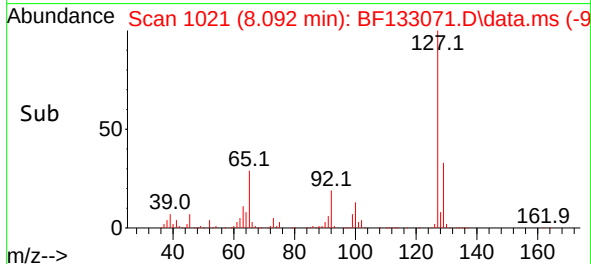
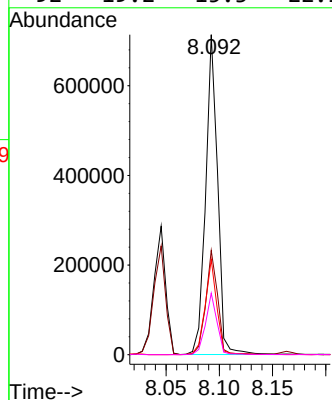
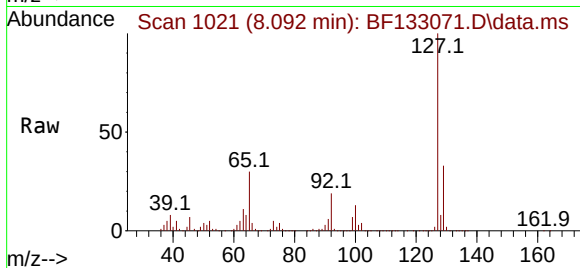




#33
4-Chloroaniline
Concen: 38.590 ng
RT: 8.092 min Scan# 1024
Delta R.T. 0.000 min
Lab File: BF133071.D
Acq: 26 Apr 2023 18:31

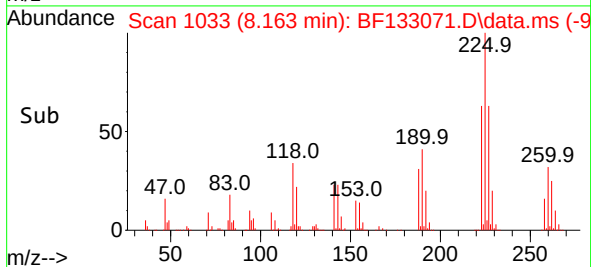
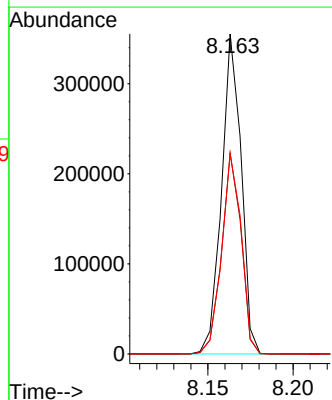
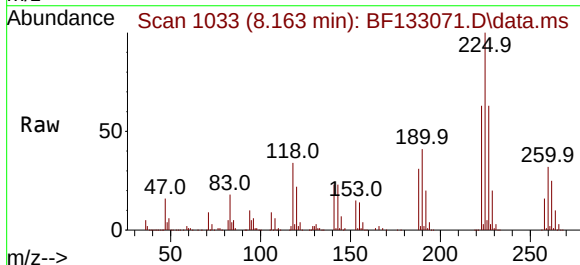
Instrument :
BNA_F
ClientSampleId :
20230324-COMP-2MSD

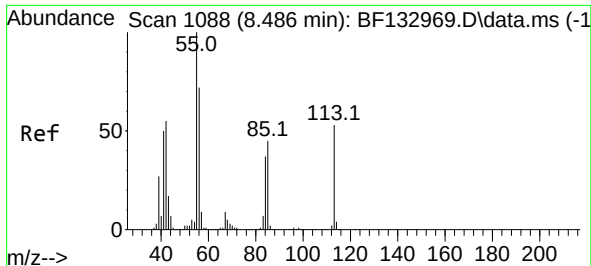
Tgt Ion:	127	Resp:	558735
Ion Ratio	Lower	Upper	
127	100		
129	32.6	25.8	38.8
65	29.8	23.6	35.4
92	19.2	15.3	22.9



#34
Hexachlorobutadiene
Concen: 48.763 ng
RT: 8.163 min Scan# 1033
Delta R.T. 0.000 min
Lab File: BF133071.D
Acq: 26 Apr 2023 18:31

Tgt Ion:	225	Resp:	283663
Ion Ratio	Lower	Upper	
225	100		
223	62.7	50.9	76.3
227	62.7	50.3	75.5

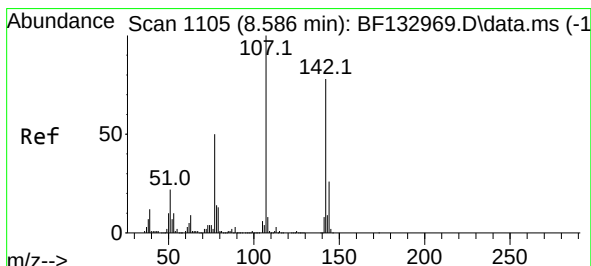
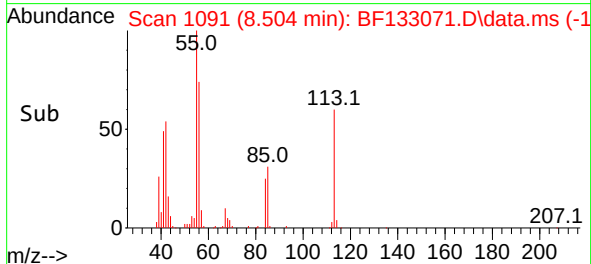
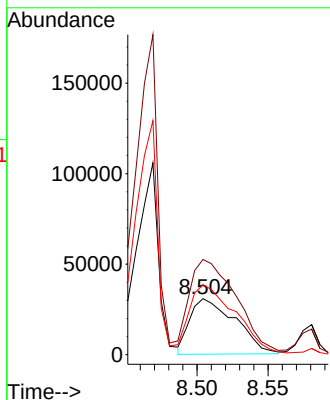
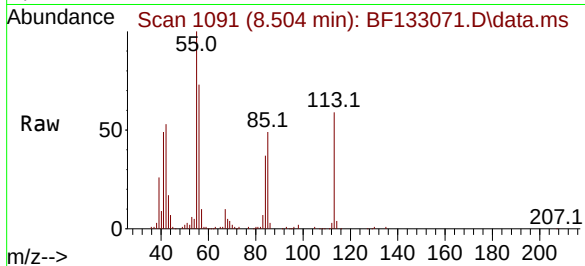




#35
 Caprolactam
 Concen: 20.088 ng
 RT: 8.504 min Scan# 1104
 Delta R.T. 0.035 min
 Lab File: BF133071.D
 Acq: 26 Apr 2023 18:31

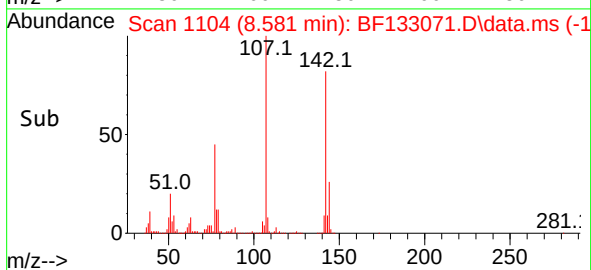
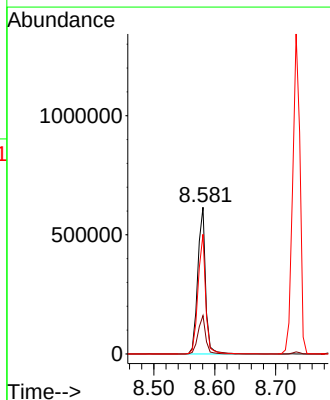
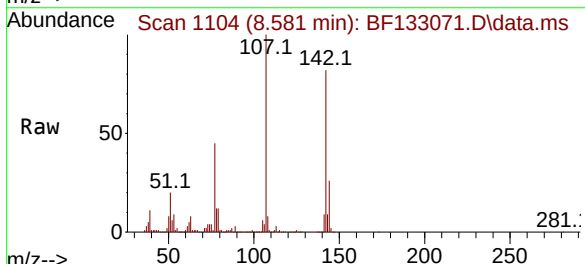
Instrument :
 BNA_F
 ClientSampleId :
 20230324-COMP-2MSD

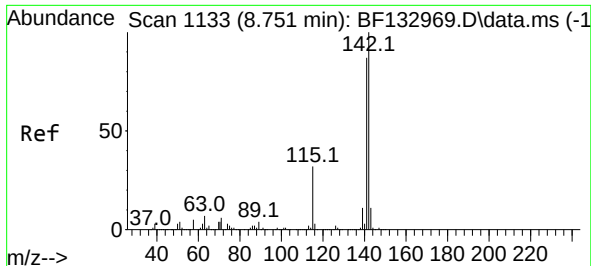
Tgt Ion:113 Resp: 68368
 Ion Ratio Lower Upper
 113 100
 55 169.6 167.1 207.1
 56 124.5 114.5 154.5



#36
 4-Chloro-3-methylphenol
 Concen: 49.816 ng
 RT: 8.581 min Scan# 1104
 Delta R.T. 0.006 min
 Lab File: BF133071.D
 Acq: 26 Apr 2023 18:31

Tgt Ion:107 Resp: 544242
 Ion Ratio Lower Upper
 107 100
 144 26.2 20.6 30.8
 142 81.6 62.8 94.2

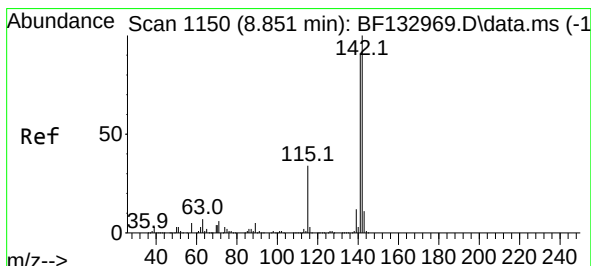
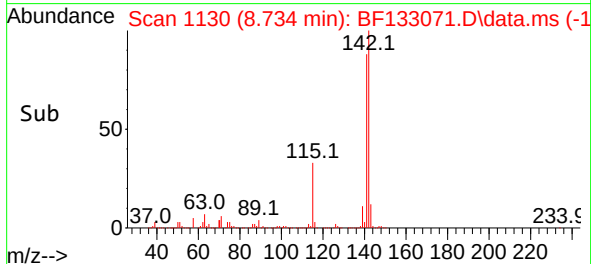
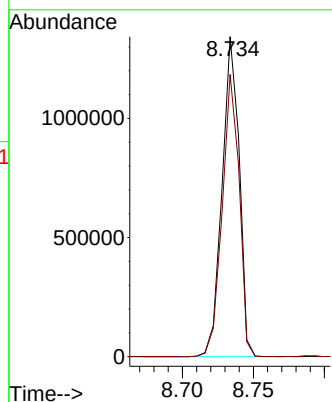
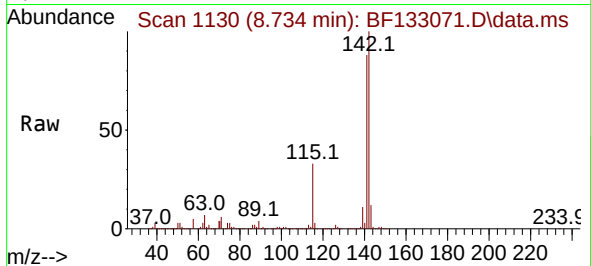




#37
2-Methylnaphthalene
Concen: 45.778 ng
RT: 8.734 min Scan# 1133
Delta R.T. 0.000 min
Lab File: BF133071.D
Acq: 26 Apr 2023 18:31

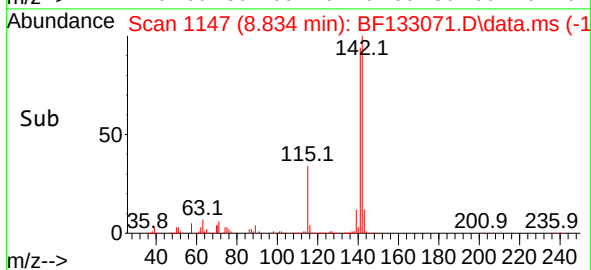
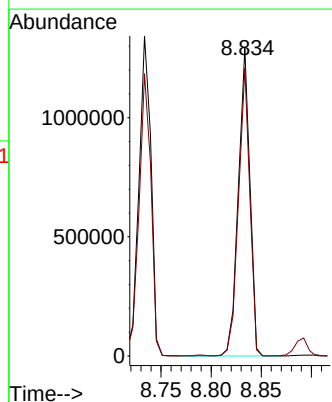
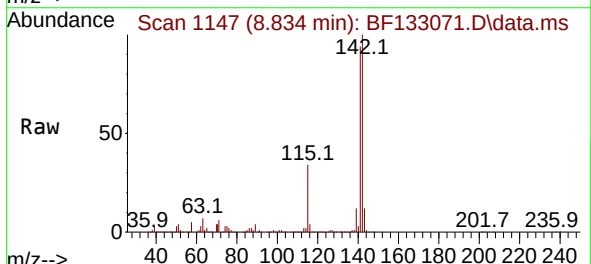
Instrument :
BNA_F
ClientSampleId :
20230324-COMP-2MSD

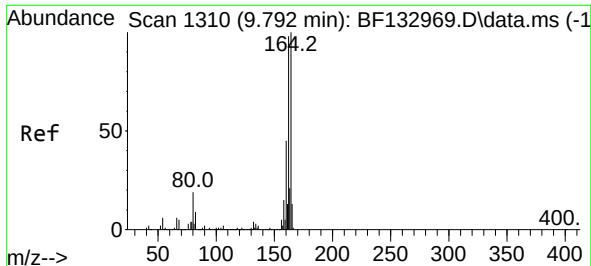
Tgt Ion:142 Resp: 1121535
Ion Ratio Lower Upper
142 100
141 88.2 69.4 104.0



#38
1-Methylnaphthalene
Concen: 45.393 ng
RT: 8.834 min Scan# 1147
Delta R.T. 0.000 min
Lab File: BF133071.D
Acq: 26 Apr 2023 18:31

Tgt Ion:142 Resp: 1040366
Ion Ratio Lower Upper
142 100
141 93.6 73.1 109.7

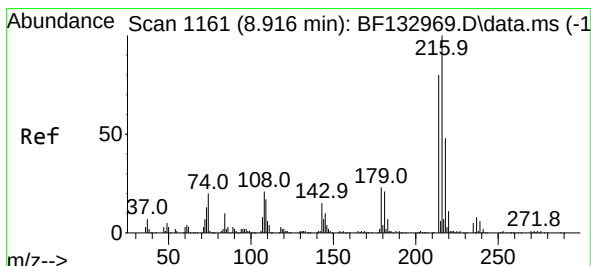
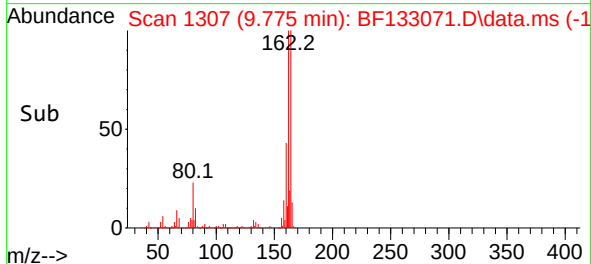
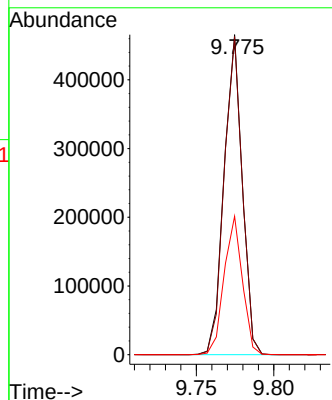
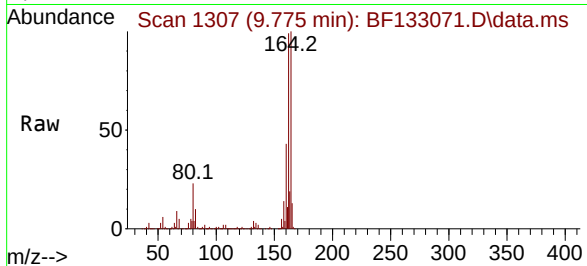




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1159
Delta R.T. 0.000 min
Lab File: BF133071.D
Acq: 26 Apr 2023 18:31

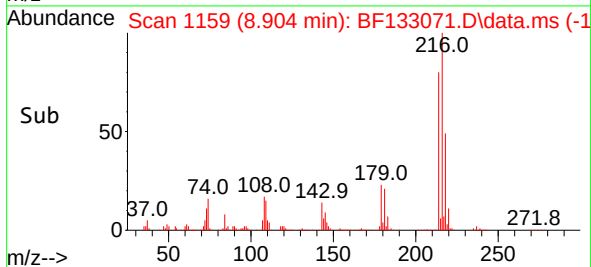
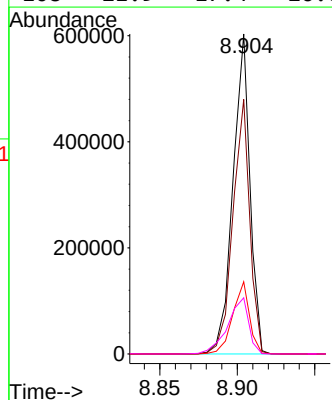
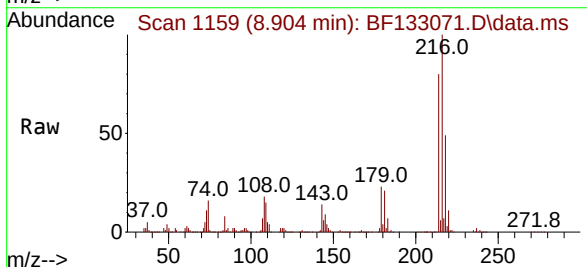
Instrument :
BNA_F
ClientSampleId :
20230324-COMP-2MSD

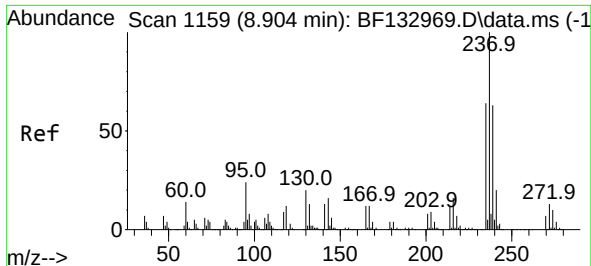
Tgt Ion:164 Resp: 379320
Ion Ratio Lower Upper
164 100
162 99.4 78.7 118.1
160 43.2 35.8 53.6



#40
1,2,4,5-Tetrachlorobenzene
Concen: 45.039 ng
RT: 8.904 min Scan# 1159
Delta R.T. 0.000 min
Lab File: BF133071.D
Acq: 26 Apr 2023 18:31

Tgt Ion:216 Resp: 459349
Ion Ratio Lower Upper
216 100
214 79.0 63.5 95.3
179 22.3 17.4 26.2
108 21.9 17.4 26.0

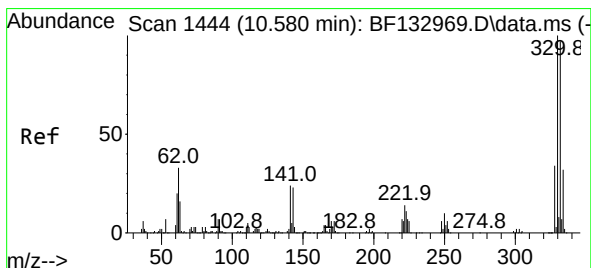
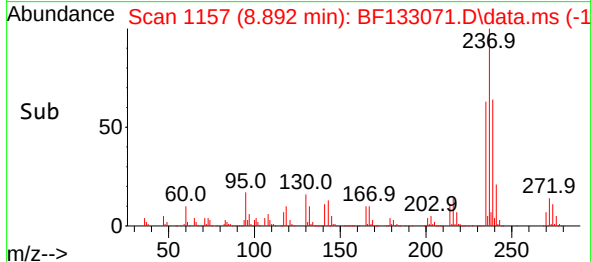
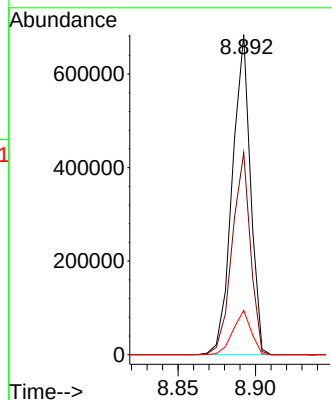
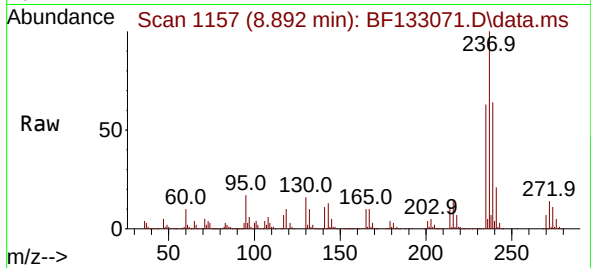




#41
Hexachlorocyclopentadiene
Concen: 93.997 ng
RT: 8.892 min Scan# 1157
Delta R.T. 0.000 min
Lab File: BF133071.D
Acq: 26 Apr 2023 18:31

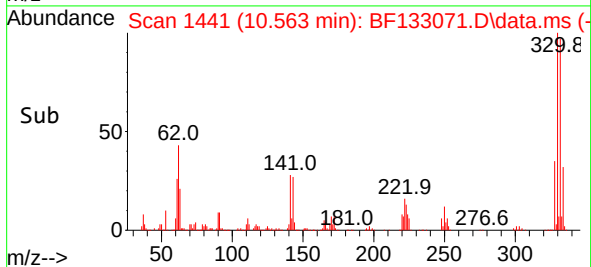
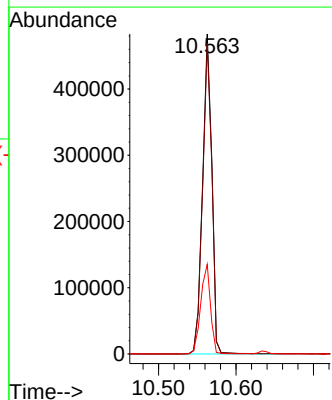
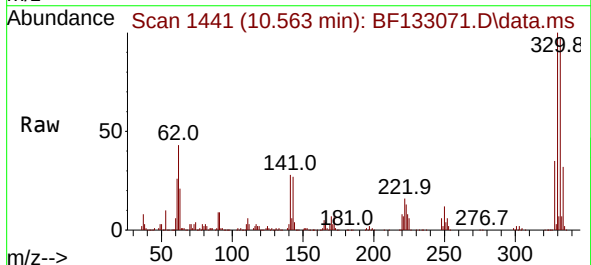
Instrument :
BNA_F
ClientSampleId :
20230324-COMP-2MSD

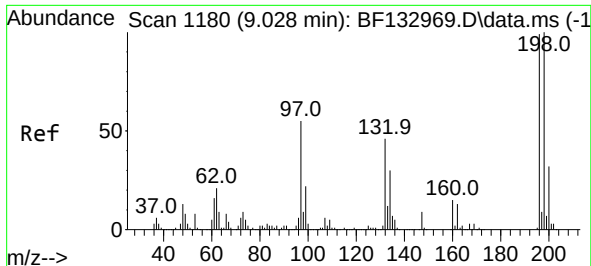
Tgt Ion:237 Resp: 559094
Ion Ratio Lower Upper
237 100
235 63.2 43.5 83.5
272 13.8 0.0 32.7



#42
2,4,6-Tribromophenol
Concen: 105.168 ng
RT: 10.563 min Scan# 1441
Delta R.T. 0.000 min
Lab File: BF133071.D
Acq: 26 Apr 2023 18:31

Tgt Ion:330 Resp: 401194
Ion Ratio Lower Upper
330 100
332 96.9 77.1 115.7
141 29.6 25.8 38.8





#43

2,4,6-Trichlorophenol

Concen: 47.692 ng

RT: 9.016 min Scan# 1180

Delta R.T. 0.006 min

Lab File: BF133071.D

Acq: 26 Apr 2023 18:31

Instrument :

BNA_F

ClientSampleId :

20230324-COMP-2MSD

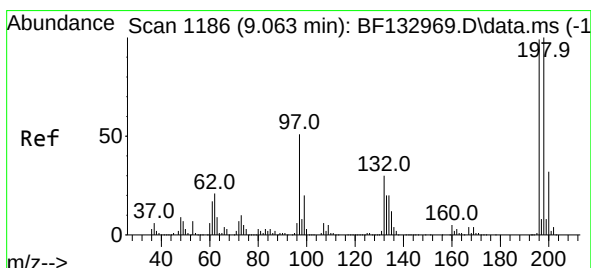
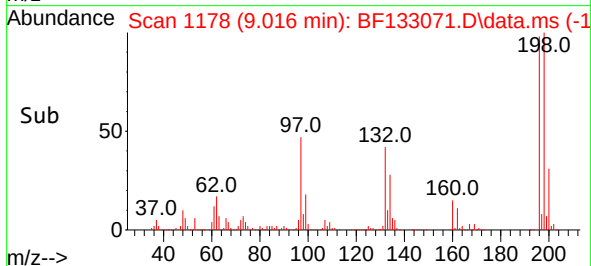
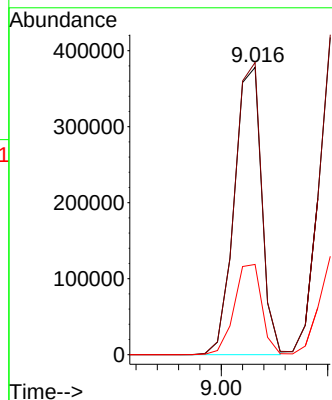
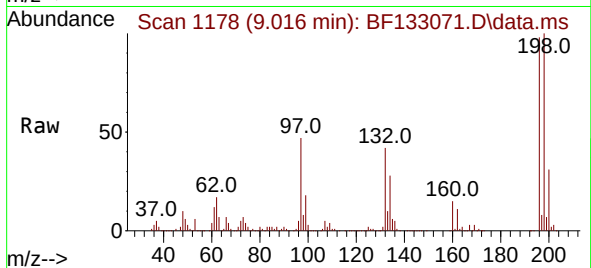
Tgt Ion:196 Resp: 336384

Ion Ratio Lower Upper

196 100

198 101.7 81.0 121.6

200 31.4 26.1 39.1



#44

2,4,5-Trichlorophenol

Concen: 44.547 ng

RT: 9.051 min Scan# 1184

Delta R.T. 0.000 min

Lab File: BF133071.D

Acq: 26 Apr 2023 18:31

Tgt Ion:196 Resp: 363383

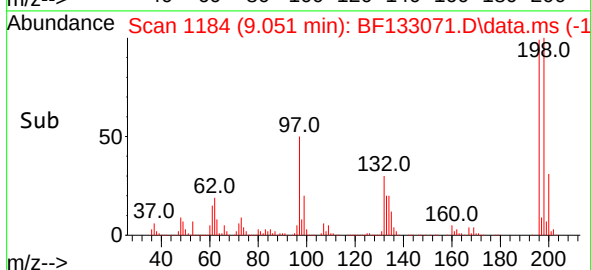
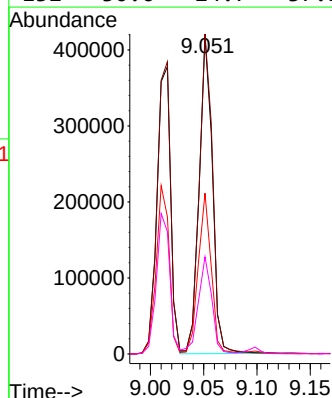
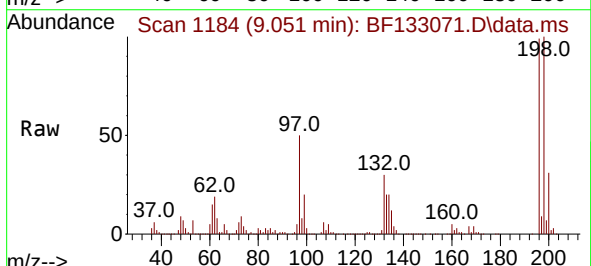
Ion Ratio Lower Upper

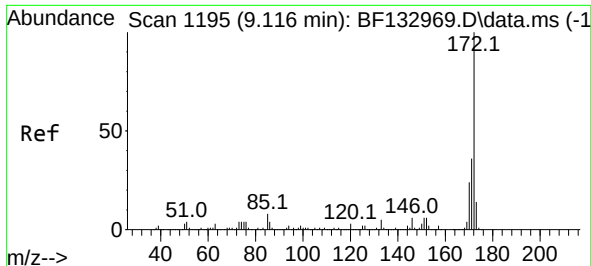
196 100

198 100.8 80.9 121.3

97 50.7 41.3 61.9

132 30.6 24.7 37.1





#45

2-Fluorobiphenyl

Concen: 64.369 ng

RT: 9.098 min Scan# 1195

Delta R.T. 0.000 min

Lab File: BF133071.D

Acq: 26 Apr 2023 18:31

Instrument :

BNA_F

ClientSampleId :

20230324-COMP-2MSD

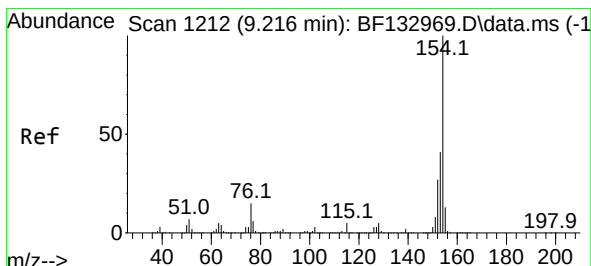
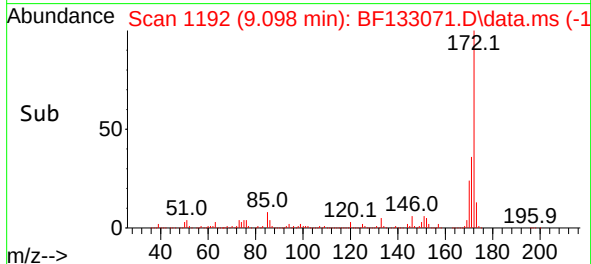
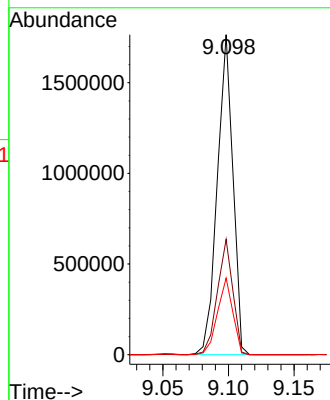
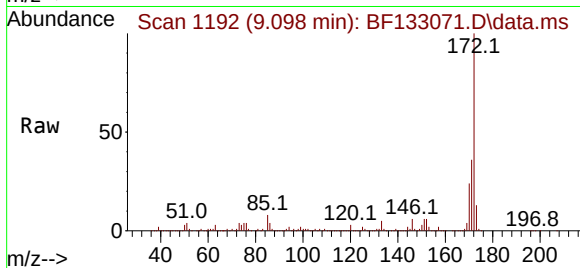
Tgt Ion:172 Resp: 1459451

Ion Ratio Lower Upper

172 100

171 36.1 28.8 43.2

170 24.0 19.4 29.2



#46

1,1'-Biphenyl

Concen: 45.813 ng

RT: 9.198 min Scan# 1209

Delta R.T. 0.000 min

Lab File: BF133071.D

Acq: 26 Apr 2023 18:31

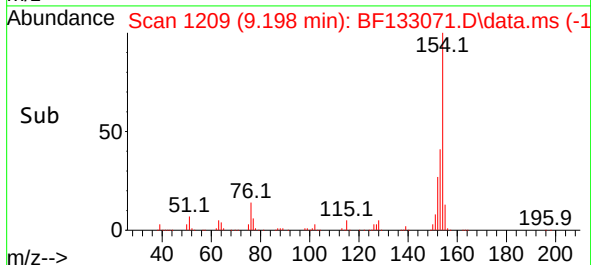
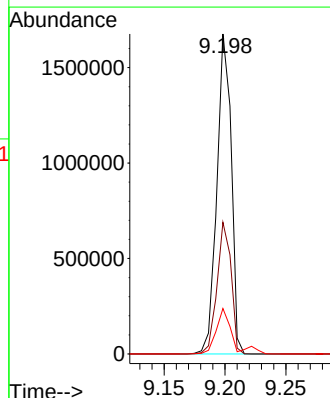
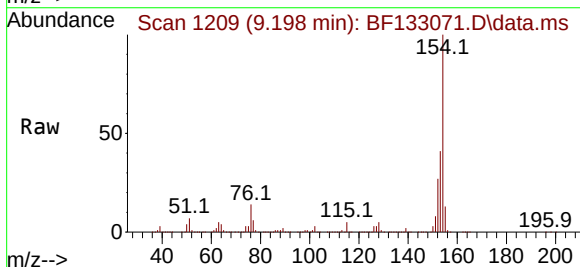
Tgt Ion:154 Resp: 1377991

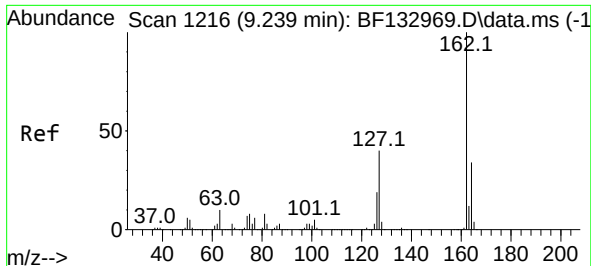
Ion Ratio Lower Upper

154 100

153 41.2 21.0 61.0

76 14.2 0.0 34.5





#47

2-Chloronaphthalene

Concen: 47.353 ng

RT: 9.222 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF133071.D

Acq: 26 Apr 2023 18:31

Instrument :

BNA_F

ClientSampleId :

20230324-COMP-2MSD

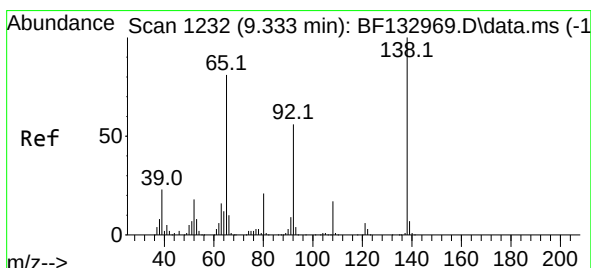
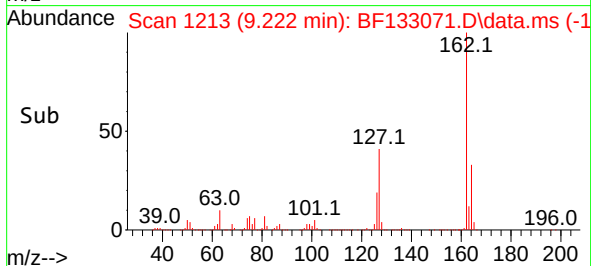
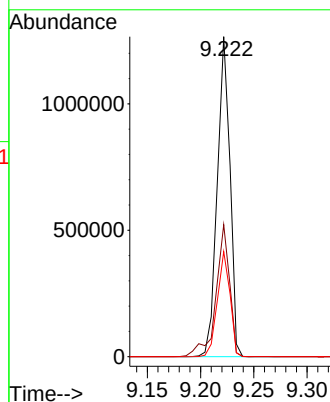
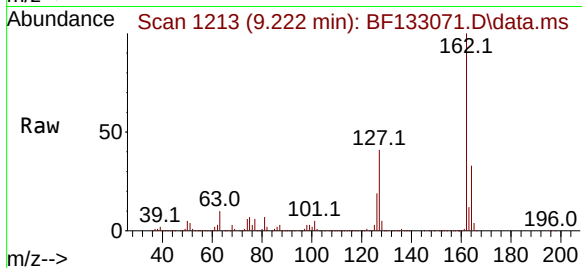
Tgt Ion:162 Resp: 1042501

Ion Ratio Lower Upper

162 100

127 41.2 32.3 48.5

164 32.8 26.8 40.2



#48

2-Nitroaniline

Concen: 47.131 ng

RT: 9.316 min Scan# 1229

Delta R.T. 0.000 min

Lab File: BF133071.D

Acq: 26 Apr 2023 18:31

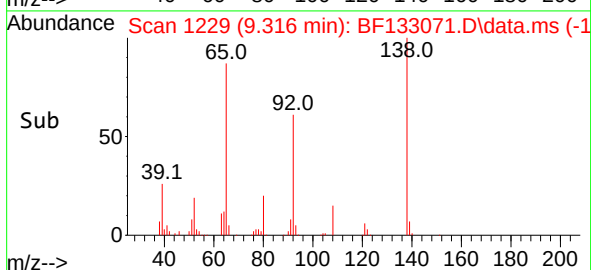
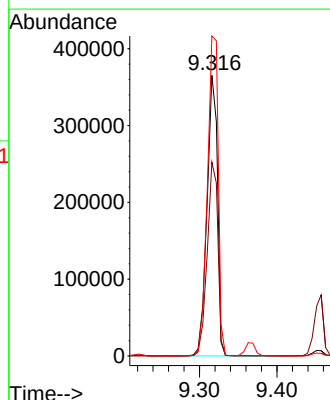
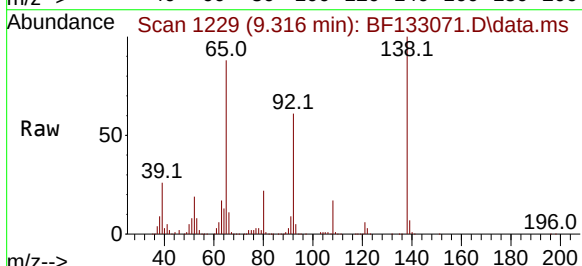
Tgt Ion: 65 Resp: 342922

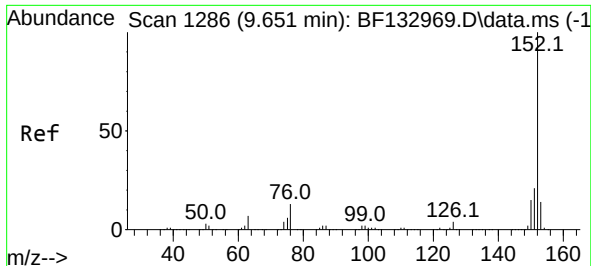
Ion Ratio Lower Upper

65 100

92 69.0 55.4 83.0

138 114.0 98.2 147.2





#49

Acenaphthylene

Concen: 46.360 ng

RT: 9.639 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF133071.D

Acq: 26 Apr 2023 18:31

Instrument :

BNA_F

ClientSampleId :

20230324-COMP-2MSD

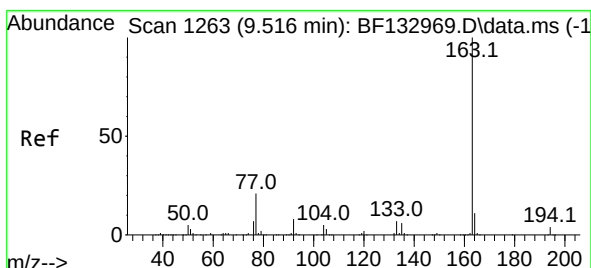
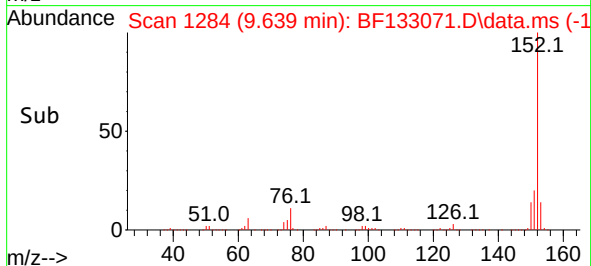
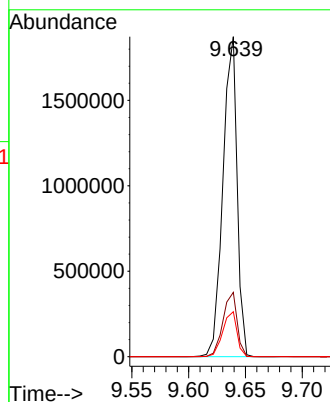
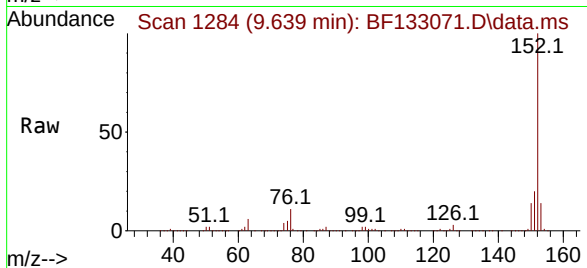
Tgt Ion:152 Resp: 1630829

Ion Ratio Lower Upper

152 100

151 20.1 16.6 24.8

153 14.1 11.5 17.3



#50

Dimethylphthalate

Concen: 46.230 ng

RT: 9.504 min Scan# 1261

Delta R.T. 0.000 min

Lab File: BF133071.D

Acq: 26 Apr 2023 18:31

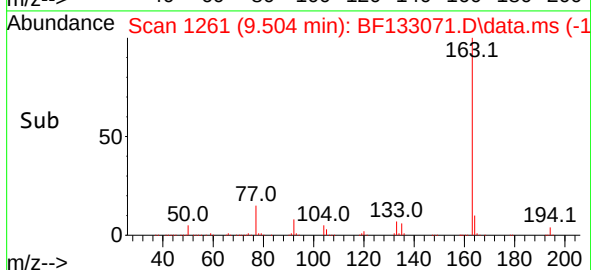
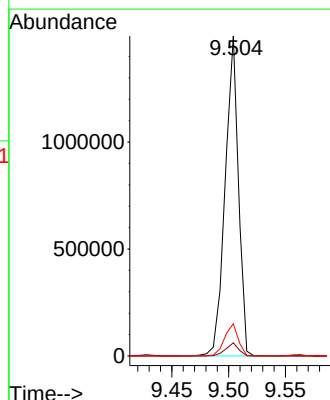
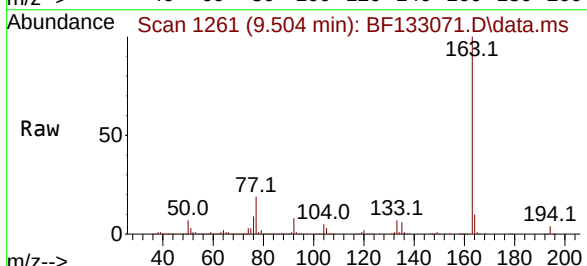
Tgt Ion:163 Resp: 1222763

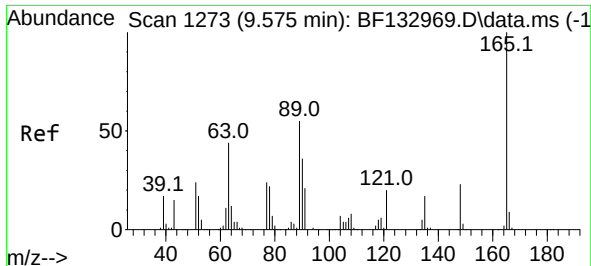
Ion Ratio Lower Upper

163 100

194 4.1 3.1 4.7

164 10.1 8.5 12.7

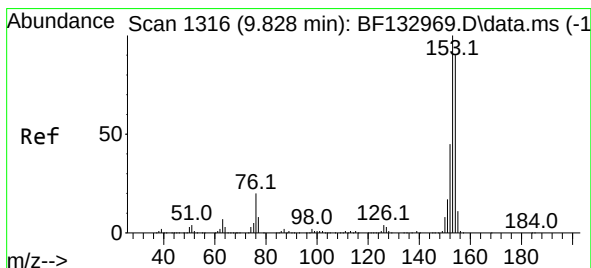
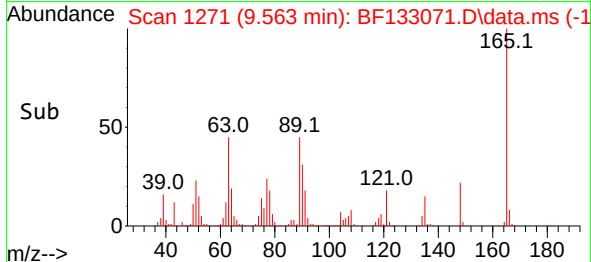
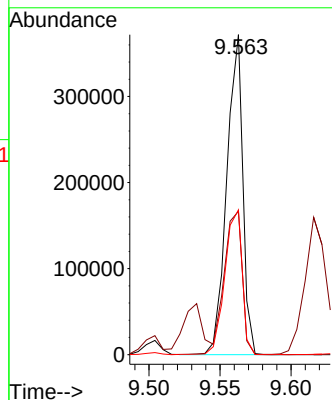
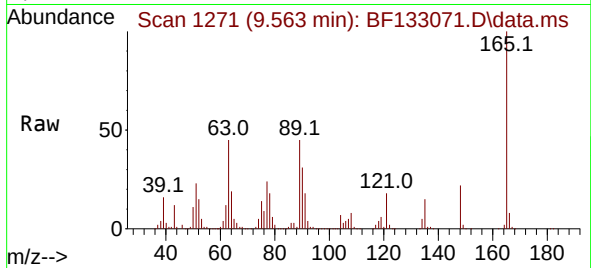




#51
2,6-Dinitrotoluene
Concen: 49.017 ng
RT: 9.563 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF133071.D
Acq: 26 Apr 2023 18:31

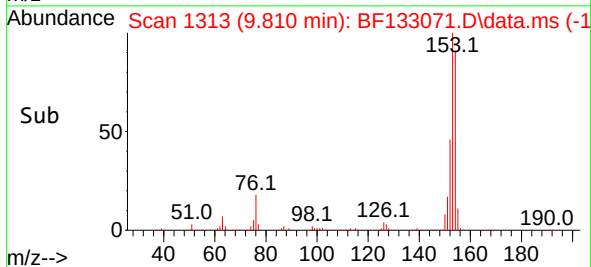
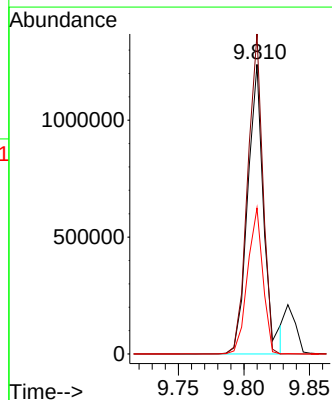
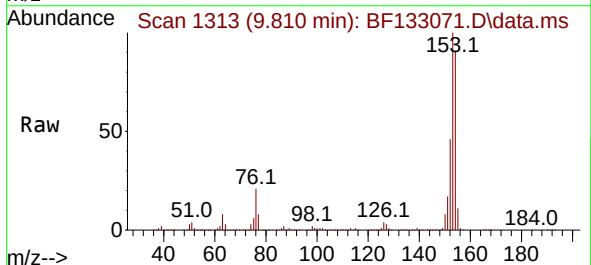
Instrument :
BNA_F
ClientSampleId :
20230324-COMP-2MSD

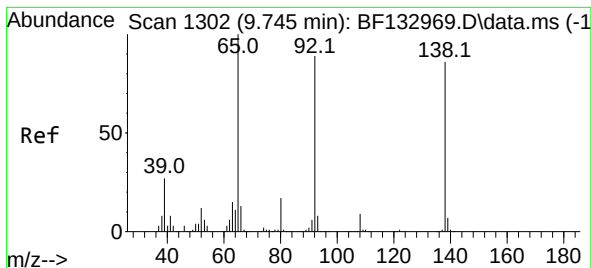
Tgt Ion:165 Resp: 291797
Ion Ratio Lower Upper
165 100
63 44.8 45.9 68.9#
89 45.2 44.0 66.0



#52
Acenaphthene
Concen: 44.892 ng
RT: 9.810 min Scan# 1313
Delta R.T. 0.000 min
Lab File: BF133071.D
Acq: 26 Apr 2023 18:31

Tgt Ion:154 Resp: 1057649
Ion Ratio Lower Upper
154 100
153 110.5 89.0 133.6
152 50.4 40.4 60.6





#53

3-Nitroaniline

Concen: 42.714 ng

RT: 9.728 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF133071.D

Acq: 26 Apr 2023 18:31

Instrument :

BNA_F

ClientSampleId :

20230324-COMP-2MSD

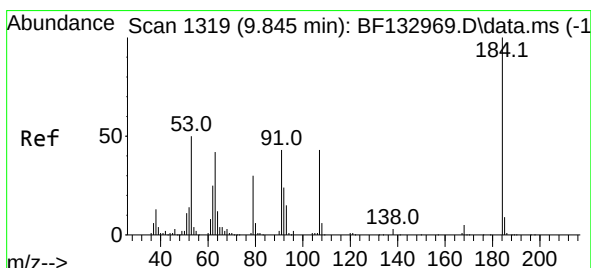
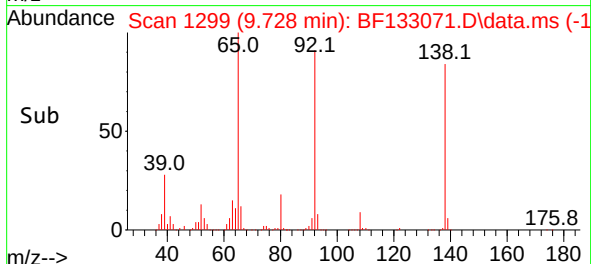
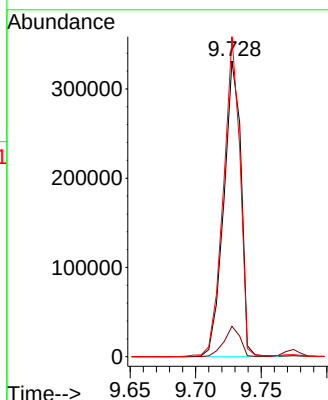
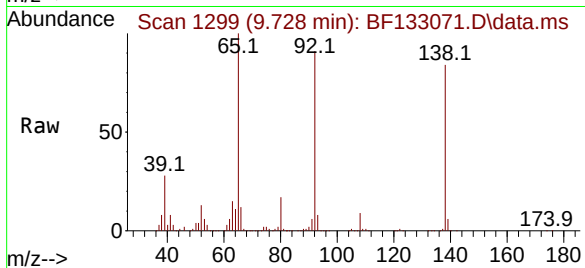
Tgt Ion:138 Resp: 302343

Ion Ratio Lower Upper

138 100

108 10.3 8.0 12.0

92 108.2 83.6 125.4



#54

2,4-Dinitrophenol

Concen: 106.723 ng

RT: 9.833 min Scan# 1317

Delta R.T. 0.006 min

Lab File: BF133071.D

Acq: 26 Apr 2023 18:31

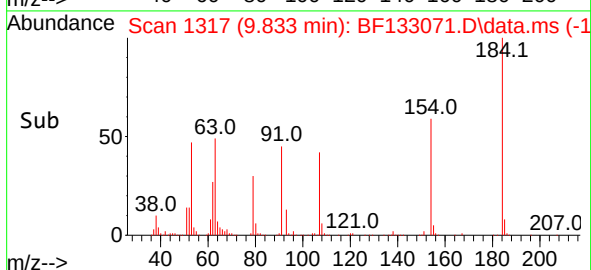
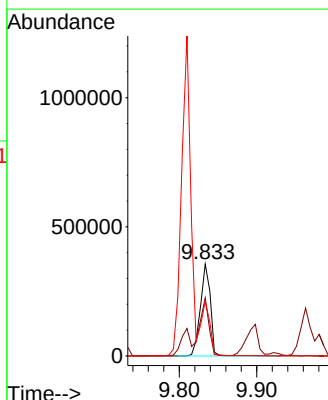
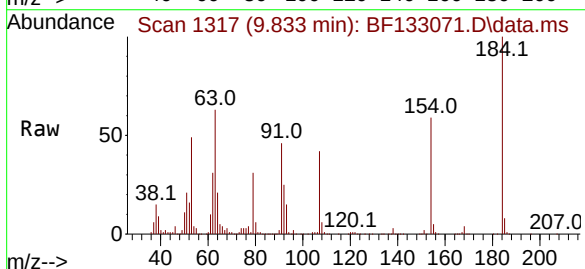
Tgt Ion:184 Resp: 319346

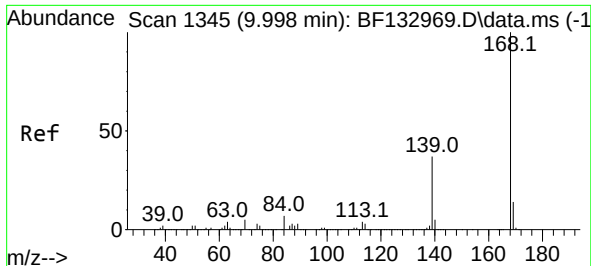
Ion Ratio Lower Upper

184 100

63 63.2 49.8 74.8

154 59.3 49.5 74.3

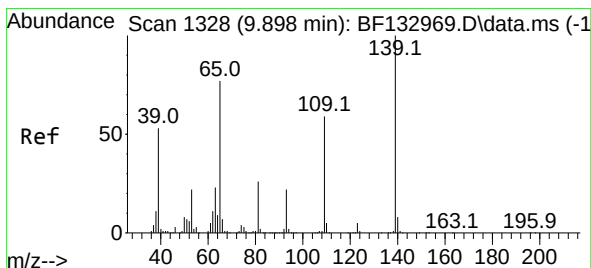
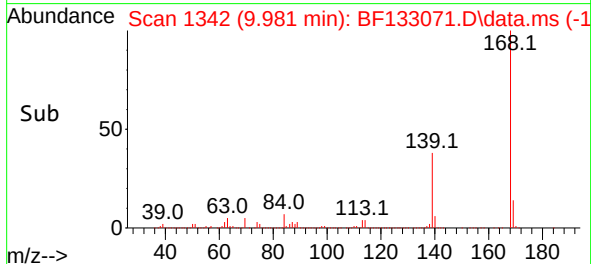
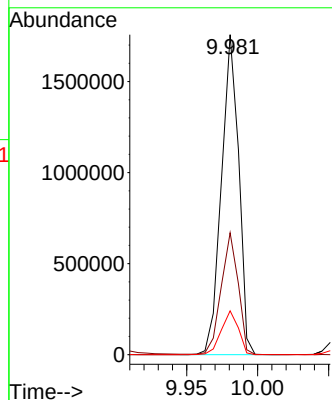
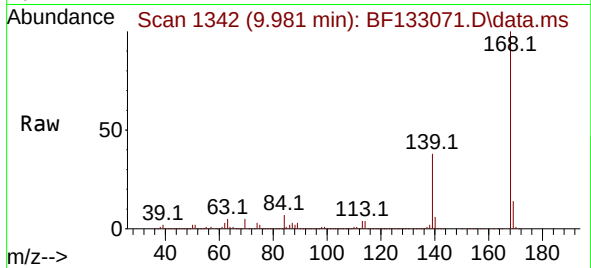




#55
Dibenzenofuran
Concen: 46.175 ng
RT: 9.981 min Scan# 1342
Delta R.T. 0.000 min
Lab File: BF133071.D
Acq: 26 Apr 2023 18:31

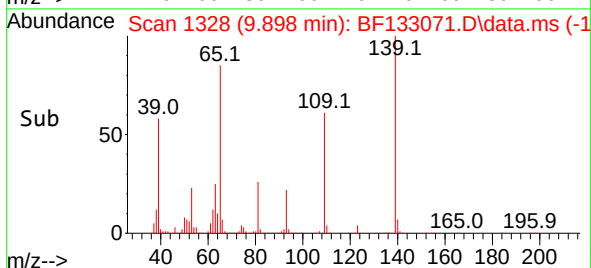
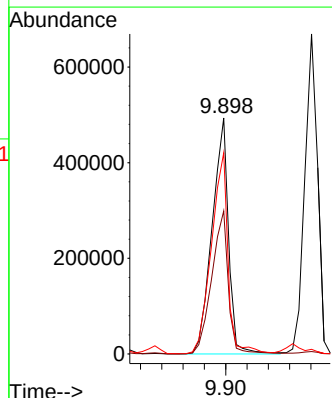
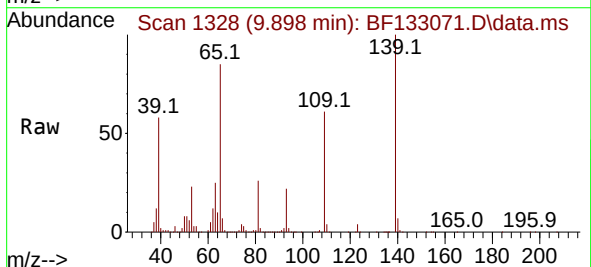
Instrument :
BNA_F
ClientSampleId :
20230324-COMP-2MSD

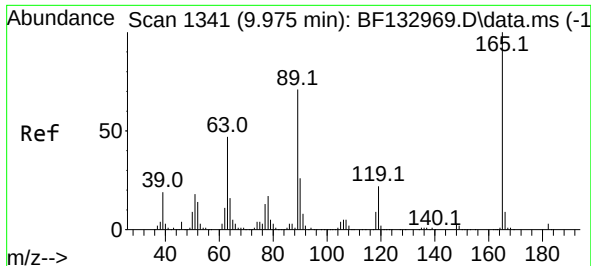
Tgt Ion:168 Resp: 1483963
Ion Ratio Lower Upper
168 100
139 38.1 29.8 44.8
169 13.7 10.8 16.2



#56
4-Nitrophenol
Concen: 96.518 ng
RT: 9.898 min Scan# 1328
Delta R.T. 0.012 min
Lab File: BF133071.D
Acq: 26 Apr 2023 18:31

Tgt Ion:139 Resp: 529140
Ion Ratio Lower Upper
139 100
109 60.6 39.4 79.4
65 85.2 57.5 97.5





#57

2,4-Dinitrotoluene

Concen: 50.758 ng

RT: 9.963 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF133071.D

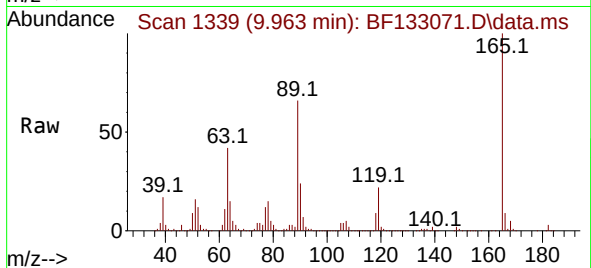
Acq: 26 Apr 2023 18:31

Instrument :

BNA_F

ClientSampleId :

20230324-COMP-2MSD



Tgt Ion:165 Resp: 385343

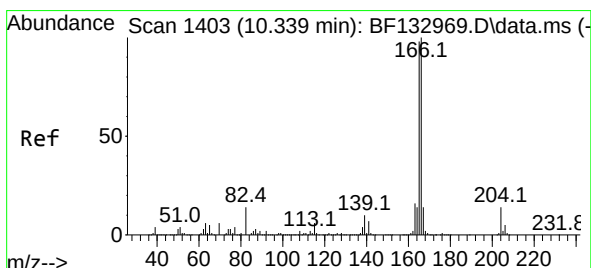
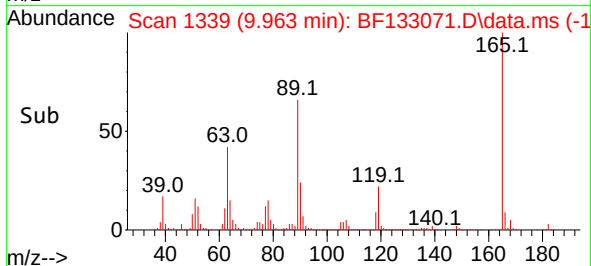
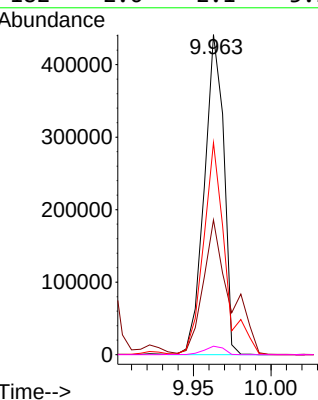
Ion Ratio Lower Upper

165 100

63 42.1 37.7 56.5

89 66.3 57.0 85.4

182 2.6 2.1 3.1



#58

Fluorene

Concen: 45.863 ng

RT: 10.322 min Scan# 1400

Delta R.T. 0.000 min

Lab File: BF133071.D

Acq: 26 Apr 2023 18:31

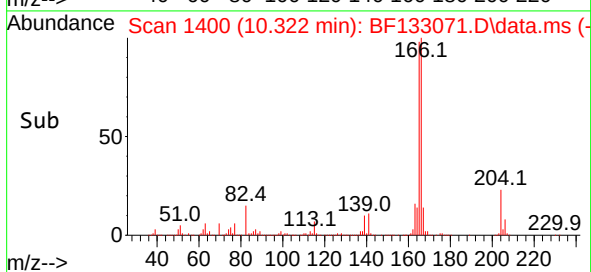
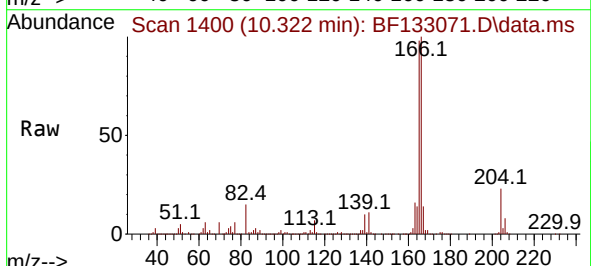
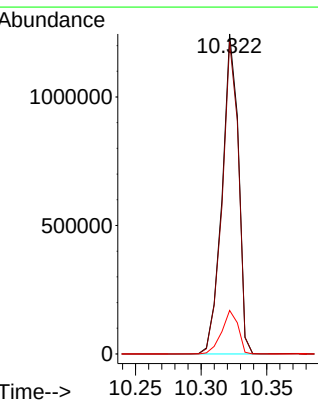
Tgt Ion:166 Resp: 1079880

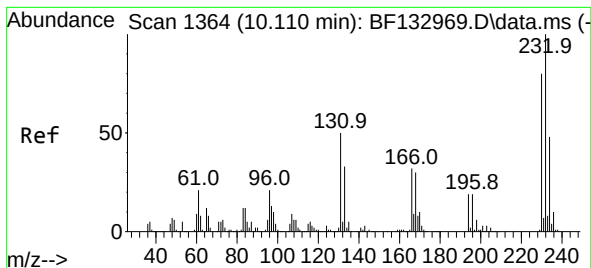
Ion Ratio Lower Upper

166 100

165 97.6 78.6 117.8

167 13.6 11.0 16.4

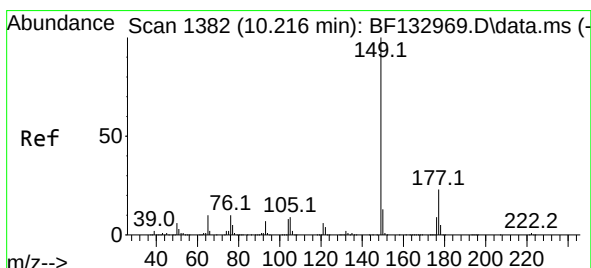
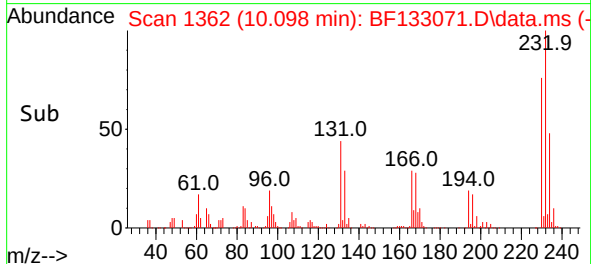
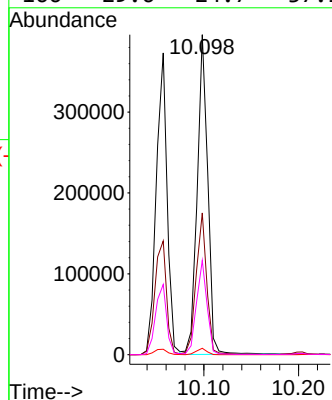
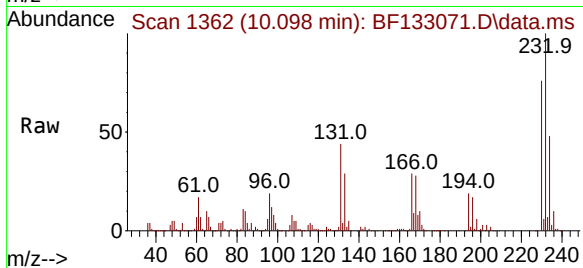




#59
2,3,4,6-Tetrachlorophenol
Concen: 48.555 ng
RT: 10.098 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF133071.D
Acq: 26 Apr 2023 18:31

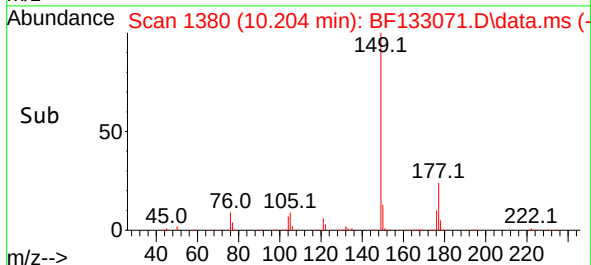
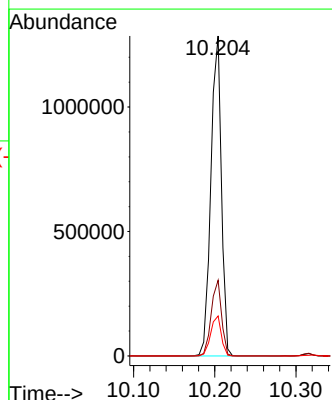
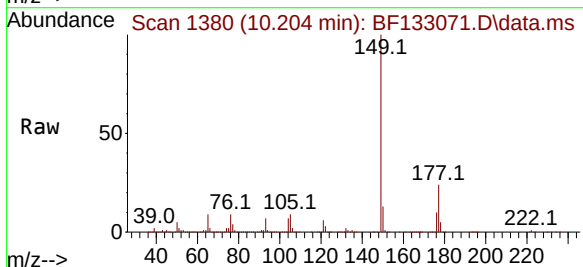
Instrument :
BNA_F
ClientSampleId :
20230324-COMP-2MSD

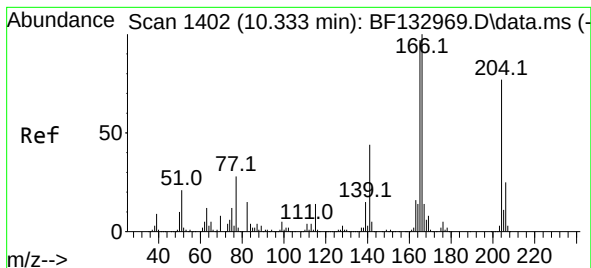
Tgt Ion:232 Resp: 307063
Ion Ratio Lower Upper
232 100
131 44.6 38.0 57.0
130 2.0 1.8 2.8
166 29.6 24.7 37.1



#60
Diethylphthalate
Concen: 46.112 ng
RT: 10.204 min Scan# 1380
Delta R.T. 0.006 min
Lab File: BF133071.D
Acq: 26 Apr 2023 18:31

Tgt Ion:149 Resp: 1152021
Ion Ratio Lower Upper
149 100
177 23.7 18.2 27.4
150 12.5 10.2 15.4

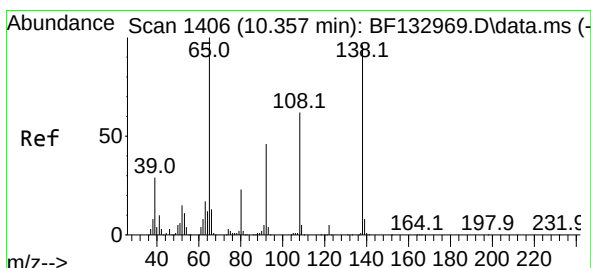
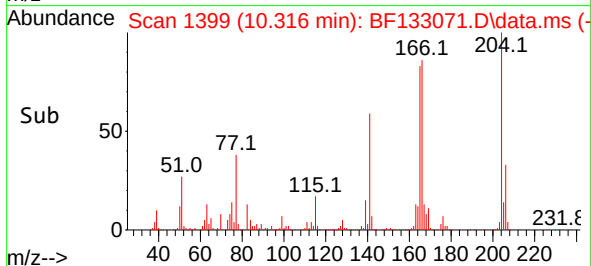
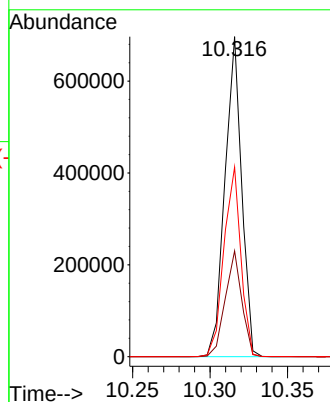
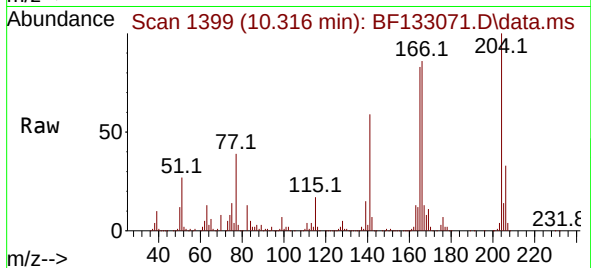




#61
4-Chlorophenyl-phenylether
Concen: 45.540 ng
RT: 10.316 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF133071.D
Acq: 26 Apr 2023 18:31

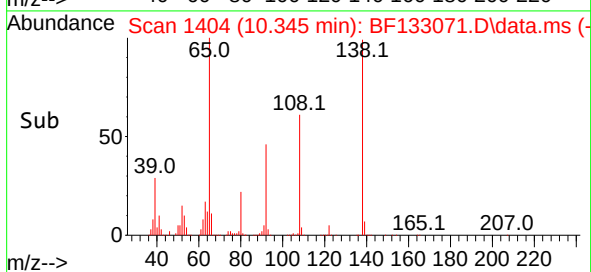
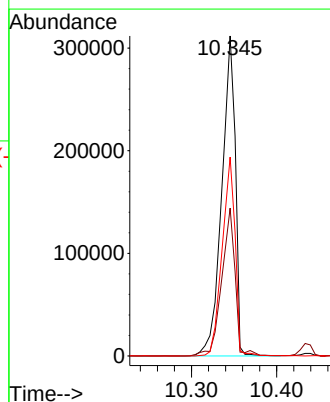
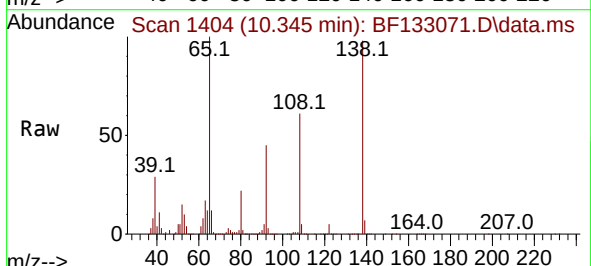
Instrument :
BNA_F
ClientSampleId :
20230324-COMP-2MSD

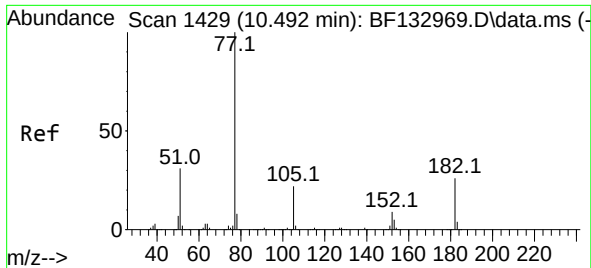
Tgt Ion:204 Resp: 522536
Ion Ratio Lower Upper
204 100
206 33.1 26.1 39.1
141 59.2 46.1 69.1



#62
4-Nitroaniline
Concen: 52.958 ng
RT: 10.345 min Scan# 1404
Delta R.T. 0.006 min
Lab File: BF133071.D
Acq: 26 Apr 2023 18:31

Tgt Ion:138 Resp: 344527
Ion Ratio Lower Upper
138 100
92 46.2 27.7 67.7
108 62.2 45.2 85.2

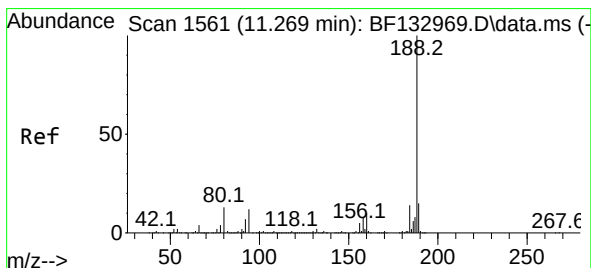
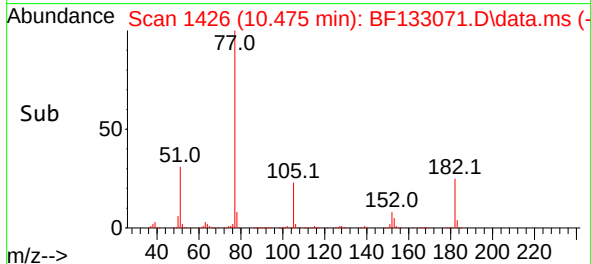
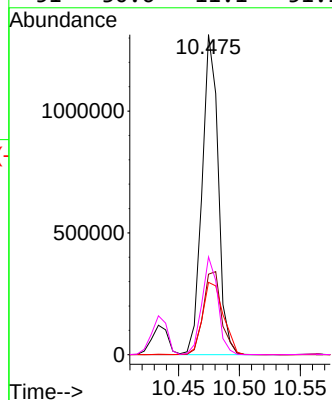
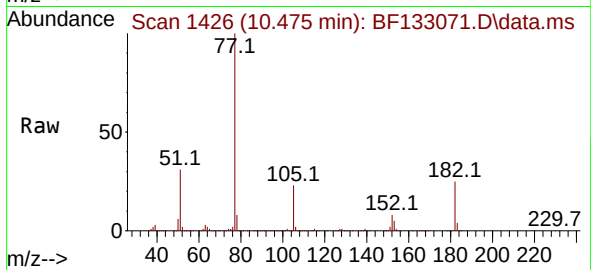




#63
Azobenzene
Concen: 45.623 ng
RT: 10.475 min Scan# 1429
Delta R.T. 0.000 min
Lab File: BF133071.D
Acq: 26 Apr 2023 18:31

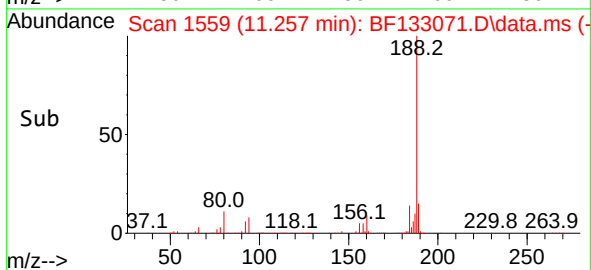
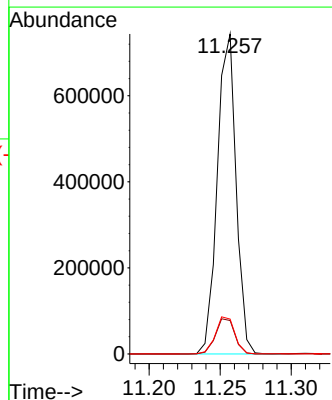
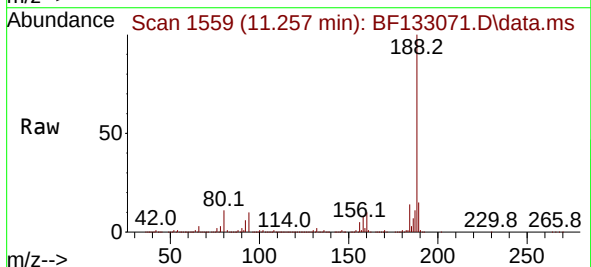
Instrument :
BNA_F
ClientSampleId :
20230324-COMP-2MSD

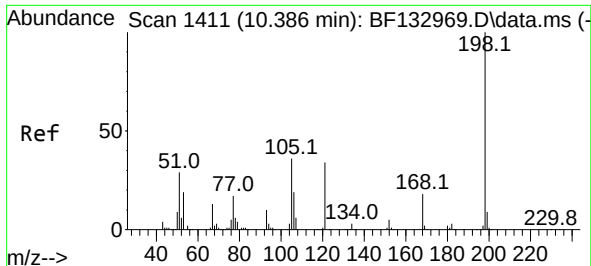
Tgt Ion: 77 Resp: 1207429
Ion Ratio Lower Upper
77 100
182 25.2 5.9 45.9
105 22.6 2.3 42.3
51 30.6 11.1 51.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.257 min Scan# 1559
Delta R.T. 0.000 min
Lab File: BF133071.D
Acq: 26 Apr 2023 18:31

Tgt Ion: 188 Resp: 680751
Ion Ratio Lower Upper
188 100
94 10.5 9.7 14.5
80 10.9 10.4 15.6

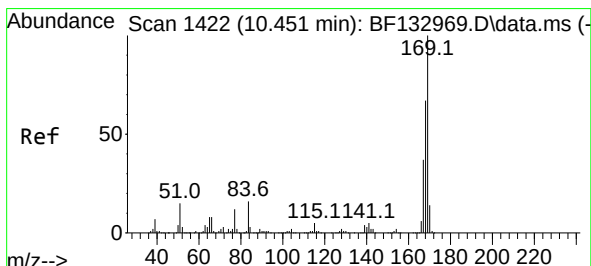
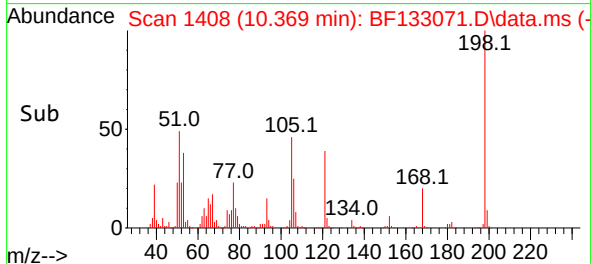
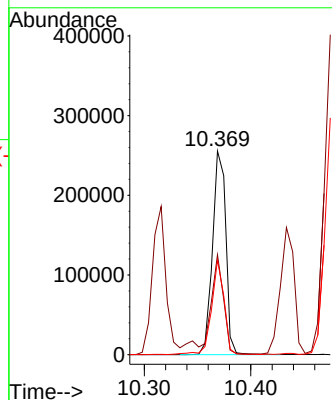
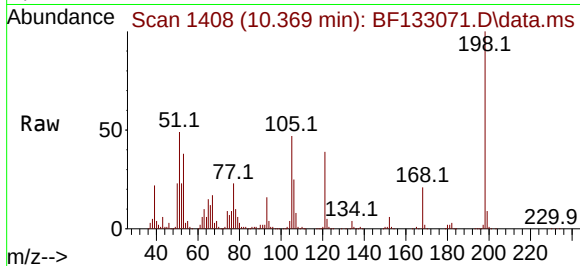




#65
4,6-Dinitro-2-methylphenol
Concen: 53.748 ng
RT: 10.369 min Scan# 1411
Delta R.T. 0.000 min
Lab File: BF133071.D
Acq: 26 Apr 2023 18:31

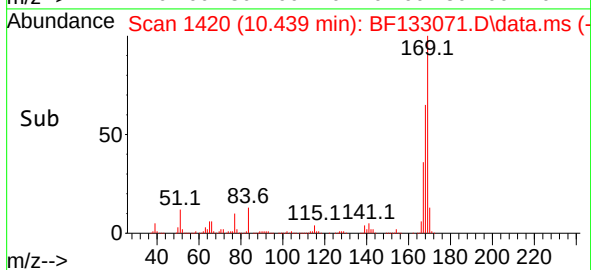
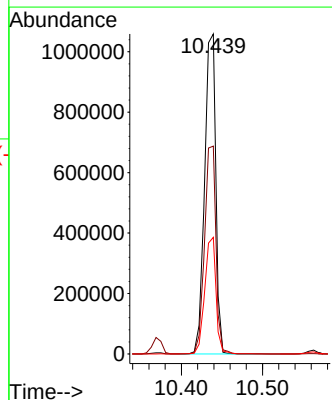
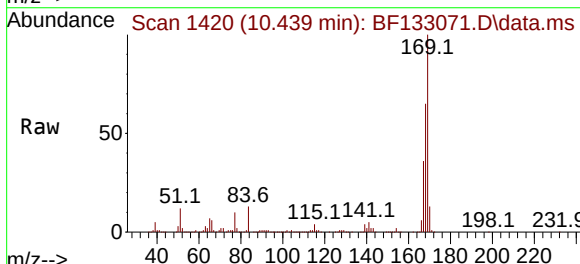
Instrument :
BNA_F
ClientSampleId :
20230324-COMP-2MSD

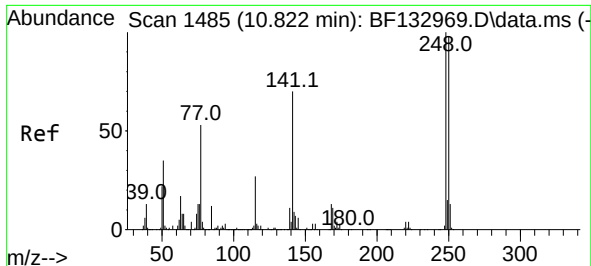
Tgt Ion:198 Resp: 221776
Ion Ratio Lower Upper
198 100
51 49.0 15.5 55.5
105 46.5 16.7 56.7



#66
n-Nitrosodiphenylamine
Concen: 45.799 ng
RT: 10.439 min Scan# 1420
Delta R.T. 0.006 min
Lab File: BF133071.D
Acq: 26 Apr 2023 18:31

Tgt Ion:169 Resp: 1011333
Ion Ratio Lower Upper
169 100
168 65.0 53.8 80.8
167 36.4 29.7 44.5





#67

4-Bromophenyl-phenylether

Concen: 45.985 ng

RT: 10.804 min Scan# 1482

Delta R.T. 0.000 min

Lab File: BF133071.D

Acq: 26 Apr 2023 18:31

Instrument :

BNA_F

ClientSampleId :

20230324-COMP-2MSD

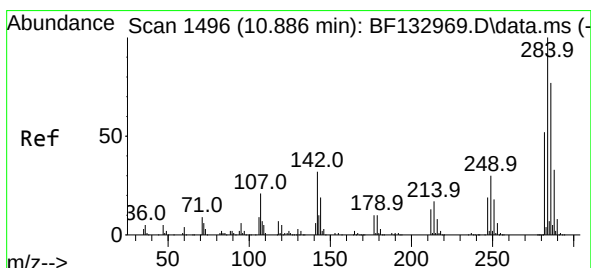
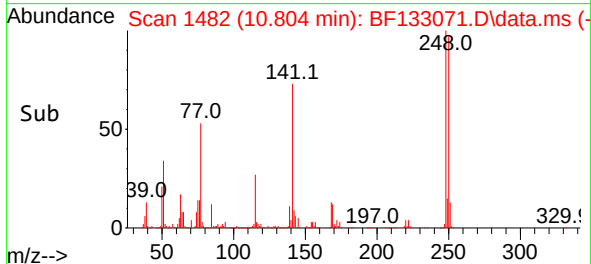
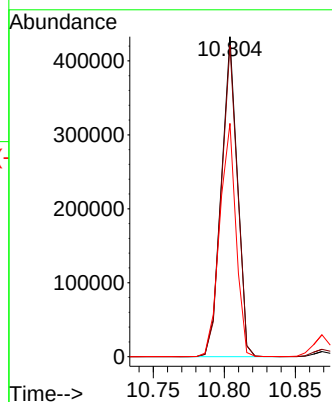
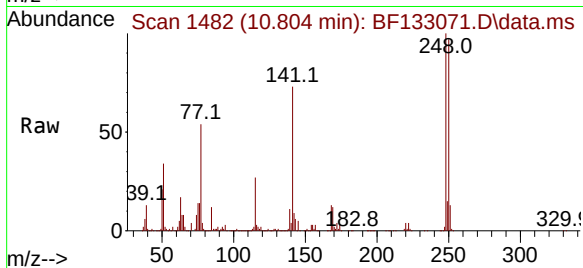
Tgt Ion:248 Resp: 339516

Ion Ratio Lower Upper

248 100

250 97.3 78.7 118.1

141 72.9 56.3 84.5



#68

Hexachlorobenzene

Concen: 49.164 ng

RT: 10.869 min Scan# 1493

Delta R.T. 0.000 min

Lab File: BF133071.D

Acq: 26 Apr 2023 18:31

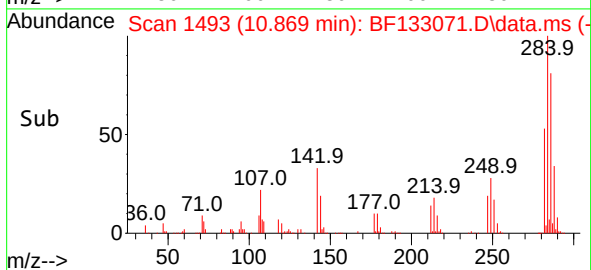
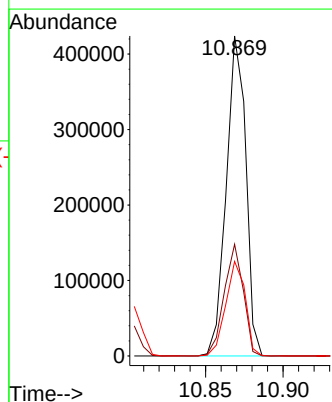
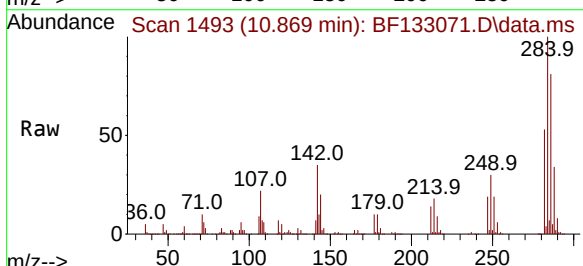
Tgt Ion:284 Resp: 371943

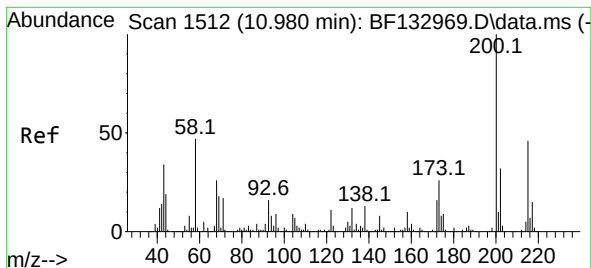
Ion Ratio Lower Upper

284 100

142 34.9 26.0 39.0

249 29.5 23.7 35.5





#69

Atrazine

Concen: 54.611 ng

RT: 10.969 min Scan# 1510

Delta R.T. 0.006 min

Lab File: BF133071.D

Acq: 26 Apr 2023 18:31

Instrument :

BNA_F

ClientSampleId :

20230324-COMP-2MSD

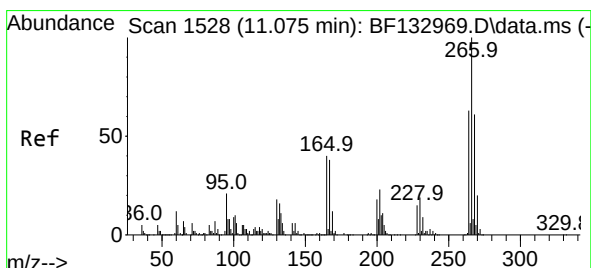
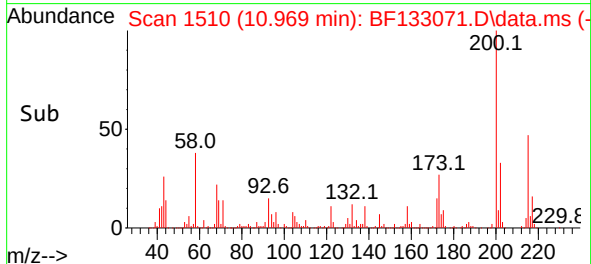
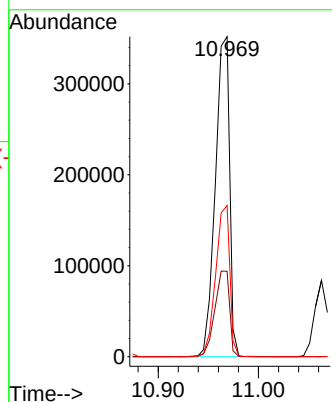
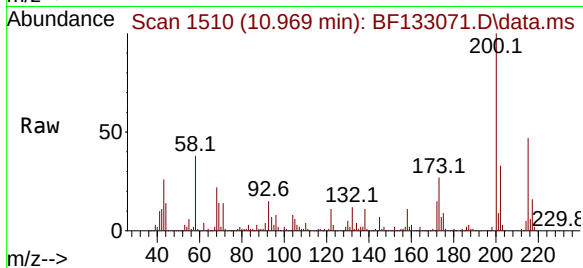
Tgt Ion:200 Resp: 347474

Ion Ratio Lower Upper

200 100

173 26.7 6.2 46.2

215 47.3 26.3 66.3



#70

Pentachlorophenol

Concen: 80.265 ng

RT: 11.063 min Scan# 1526

Delta R.T. 0.000 min

Lab File: BF133071.D

Acq: 26 Apr 2023 18:31

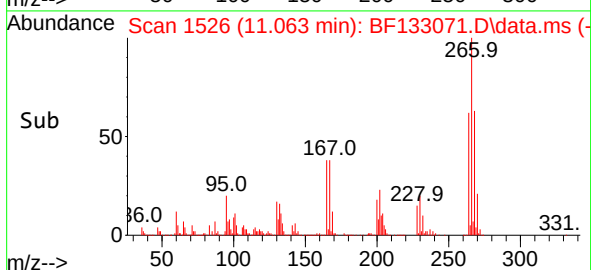
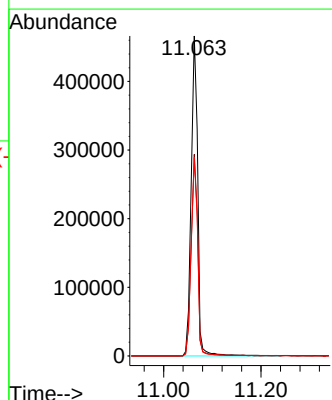
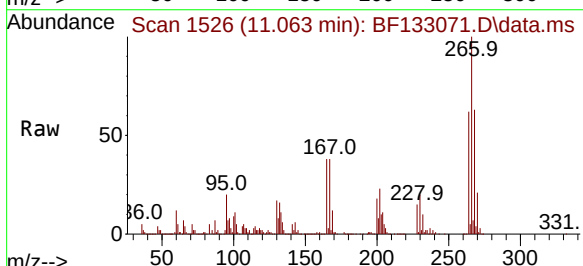
Tgt Ion:266 Resp: 432469

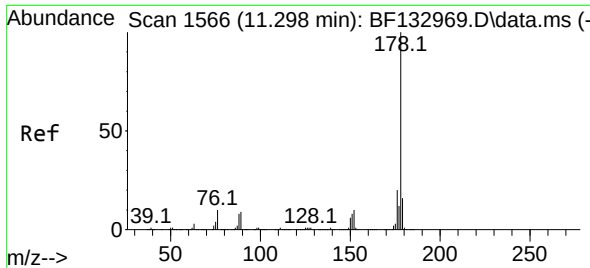
Ion Ratio Lower Upper

266 100

268 63.0 48.8 73.2

264 62.1 50.6 76.0

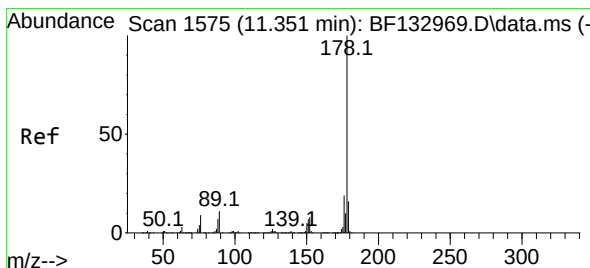
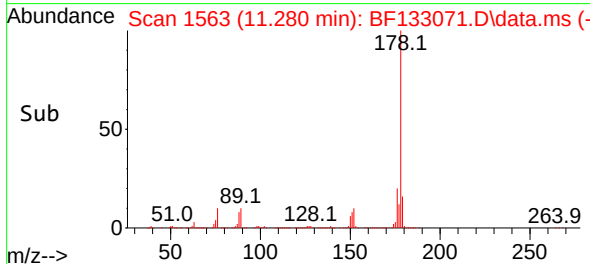
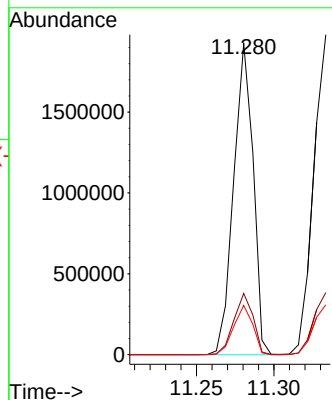
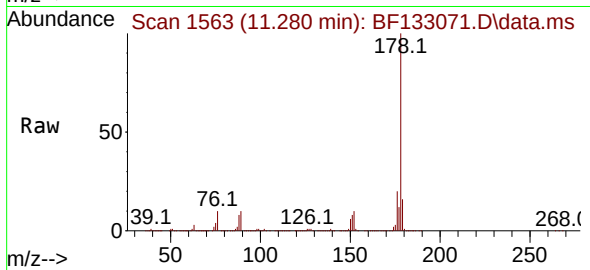




#71
Phenanthrene
Concen: 45.986 ng
RT: 11.280 min Scan# 1563
Delta R.T. 0.000 min
Lab File: BF133071.D
Acq: 26 Apr 2023 18:31

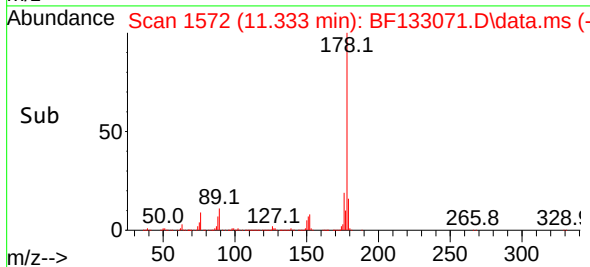
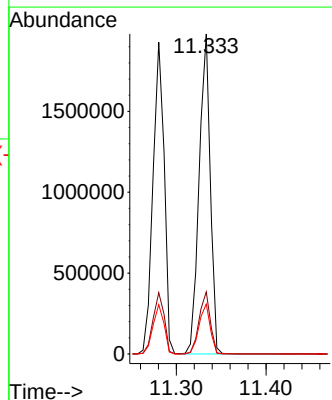
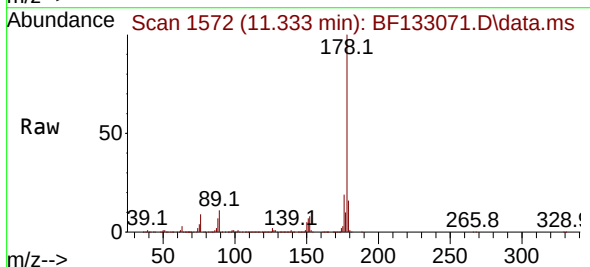
Instrument :
BNA_F
ClientSampleId :
20230324-COMP-2MSD

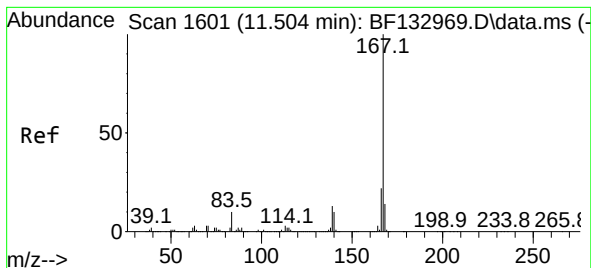
Tgt Ion:178 Resp: 1682542
Ion Ratio Lower Upper
178 100
176 19.7 15.9 23.9
179 15.8 12.5 18.7



#72
Anthracene
Concen: 45.650 ng
RT: 11.333 min Scan# 1572
Delta R.T. 0.000 min
Lab File: BF133071.D
Acq: 26 Apr 2023 18:31

Tgt Ion:178 Resp: 1709313
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.0
179 15.6 12.4 18.6





#73

Carbazole

Concen: 47.645 ng

RT: 11.486 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF133071.D

Acq: 26 Apr 2023 18:31

Instrument :

BNA_F

ClientSampleId :

20230324-COMP-2MSD

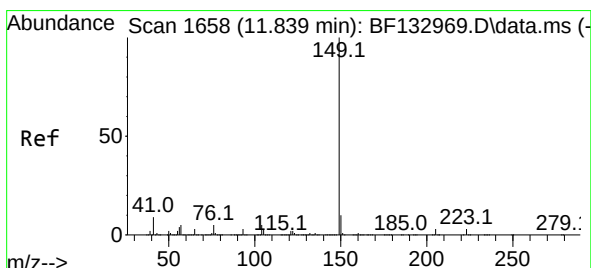
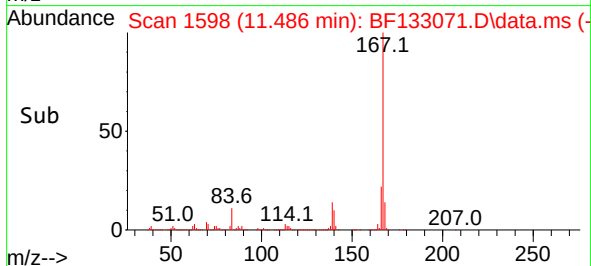
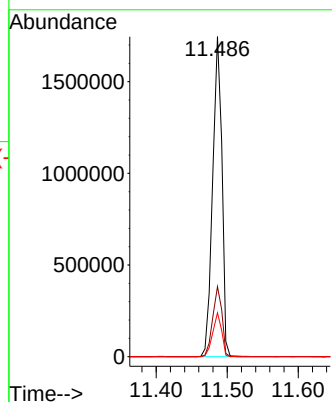
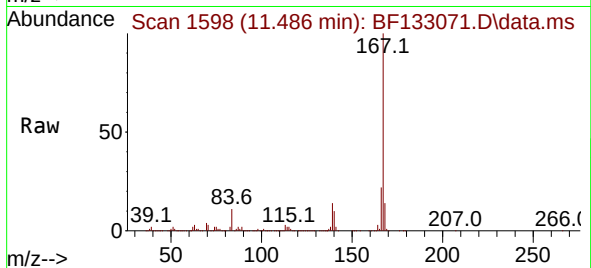
Tgt Ion:167 Resp: 1588537

Ion Ratio Lower Upper

167 100

166 21.9 17.4 26.0

139 13.7 10.6 16.0



#74

Di-n-butylphthalate

Concen: 48.752 ng

RT: 11.822 min Scan# 1655

Delta R.T. 0.000 min

Lab File: BF133071.D

Acq: 26 Apr 2023 18:31

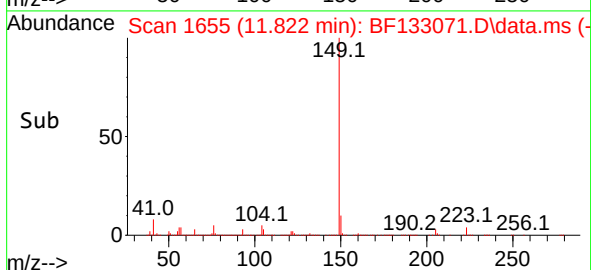
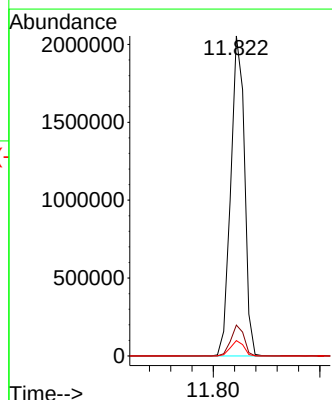
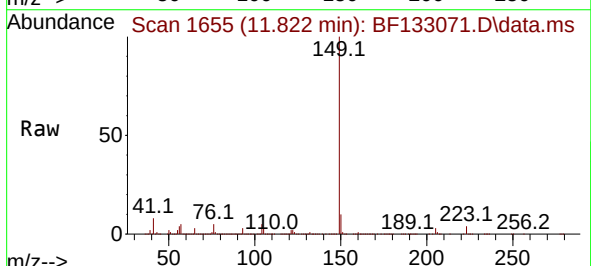
Tgt Ion:149 Resp: 1839447

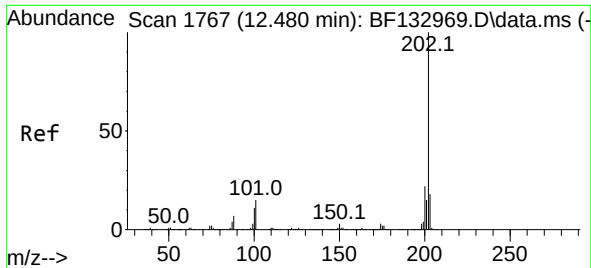
Ion Ratio Lower Upper

149 100

150 9.7 7.6 11.4

104 4.8 4.0 6.0

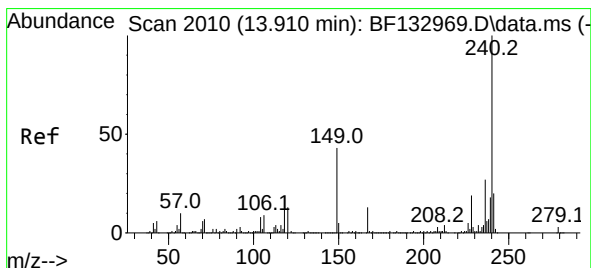
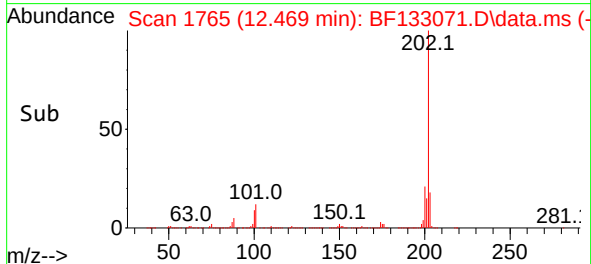
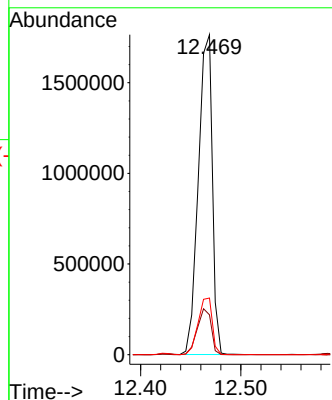
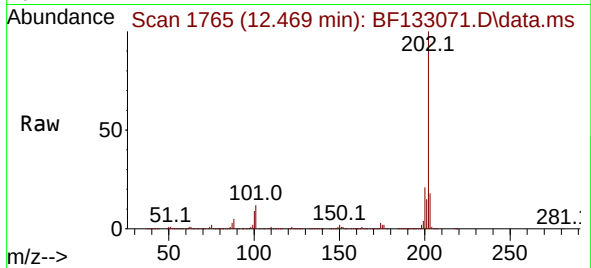




#75
Fluoranthene
Concen: 46.667 ng
RT: 12.469 min Scan# 1765
Delta R.T. 0.006 min
Lab File: BF133071.D
Acq: 26 Apr 2023 18:31

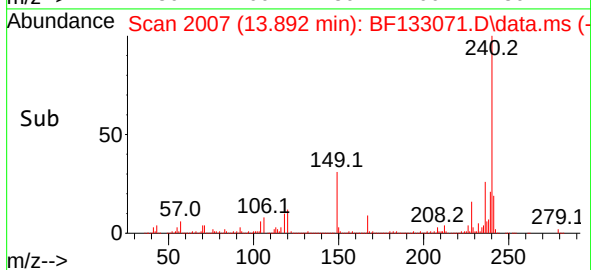
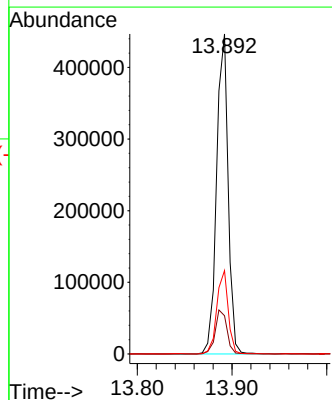
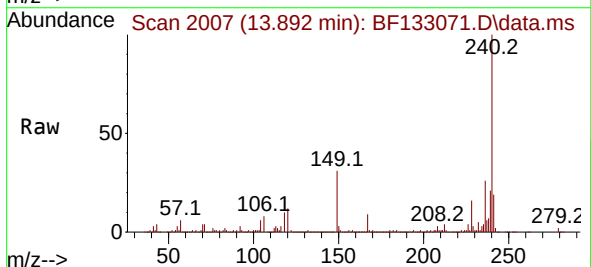
Instrument :
BNA_F
ClientSampleId :
20230324-COMP-2MSD

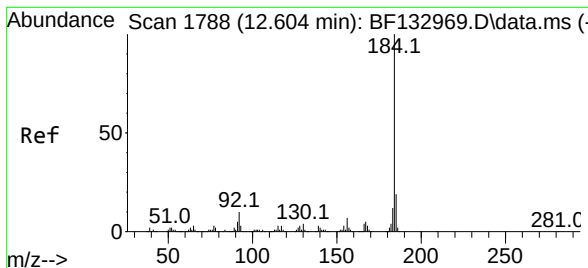
Tgt Ion:202 Resp: 1713621
Ion Ratio Lower Upper
202 100
101 12.4 0.0 35.3
203 17.7 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.892 min Scan# 2007
Delta R.T. 0.000 min
Lab File: BF133071.D
Acq: 26 Apr 2023 18:31

Tgt Ion:240 Resp: 376957
Ion Ratio Lower Upper
240 100
120 11.9 10.5 15.7
236 26.0 21.5 32.3





#77

Benzidine

Concen: 138.947 ng

RT: 12.586 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF133071.D

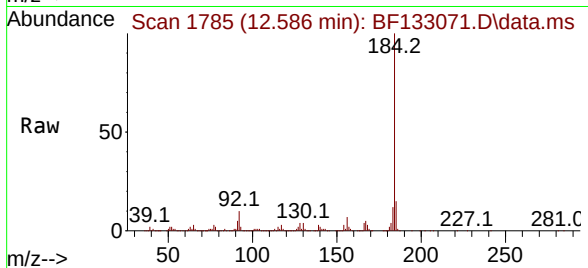
Acq: 26 Apr 2023 18:31

Instrument :

BNA_F

ClientSampleId :

20230324-COMP-2MSD



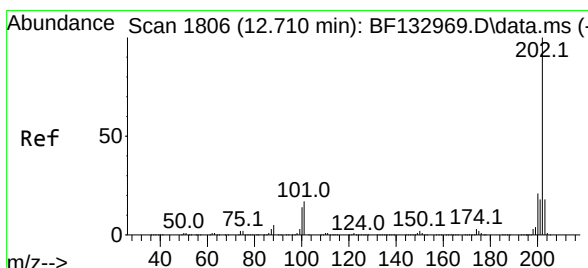
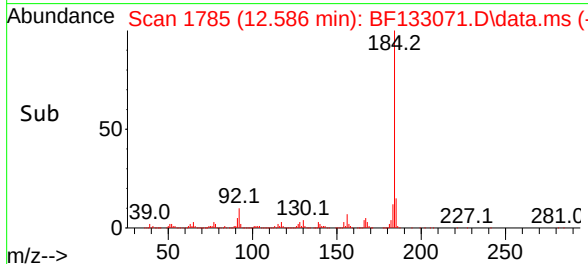
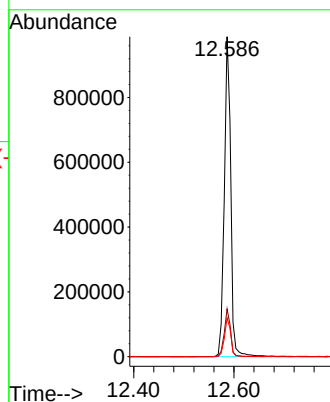
Tgt Ion:184 Resp: 885725

Ion Ratio Lower Upper

184 100

185 14.9 15.4 23.2#

183 12.1 9.4 14.0



#78

Pyrene

Concen: 54.563 ng

RT: 12.692 min Scan# 1803

Delta R.T. 0.000 min

Lab File: BF133071.D

Acq: 26 Apr 2023 18:31

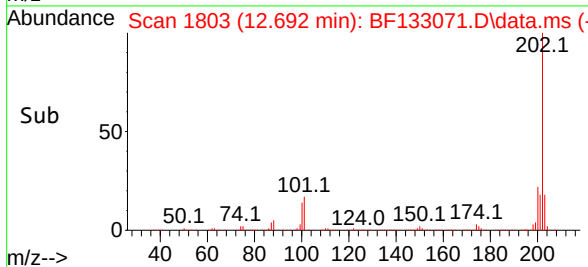
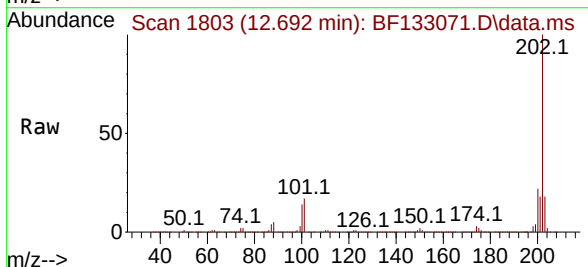
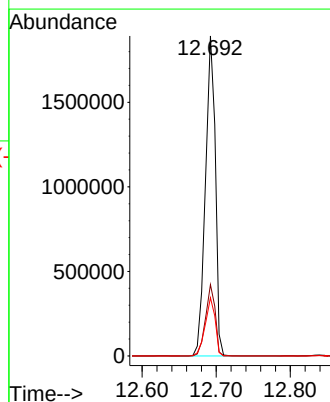
Tgt Ion:202 Resp: 1763143

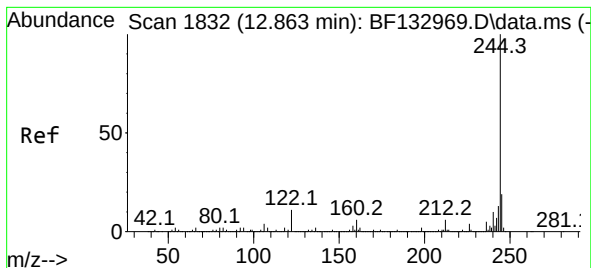
Ion Ratio Lower Upper

202 100

200 22.3 17.1 25.7

203 18.2 14.1 21.1





#79

Terphenyl-d14

Concen: 76.484 ng

RT: 12.839 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF133071.D

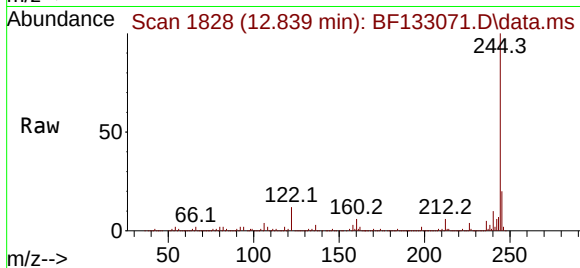
Acq: 26 Apr 2023 18:31

Instrument :

BNA_F

ClientSampleId :

20230324-COMP-2MSD



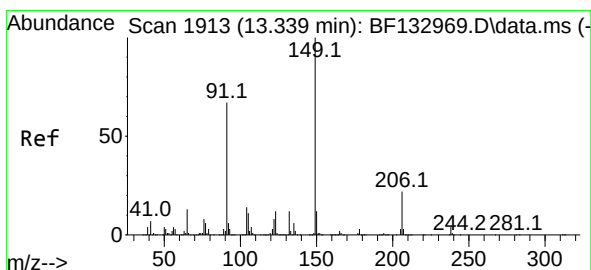
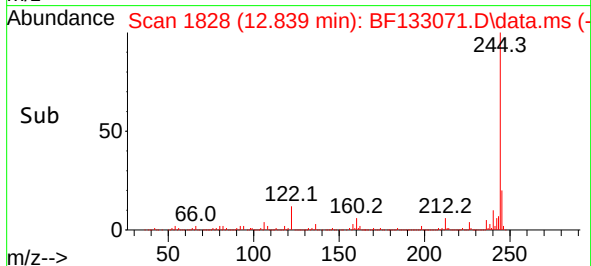
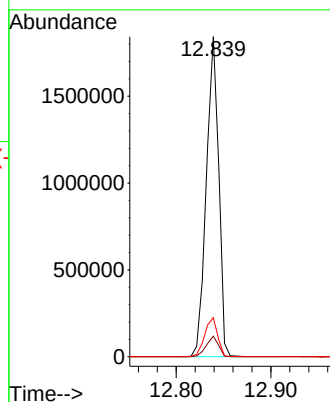
Tgt Ion:244 Resp: 1671693

Ion Ratio Lower Upper

244 100

212 6.4 5.1 7.7

122 12.2 8.6 13.0



#80

Butylbenzylphthalate

Concen: 62.118 ng

RT: 13.316 min Scan# 1909

Delta R.T. 0.000 min

Lab File: BF133071.D

Acq: 26 Apr 2023 18:31

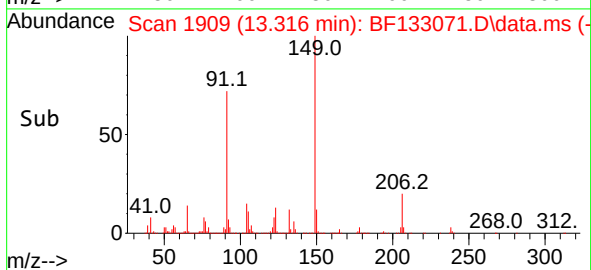
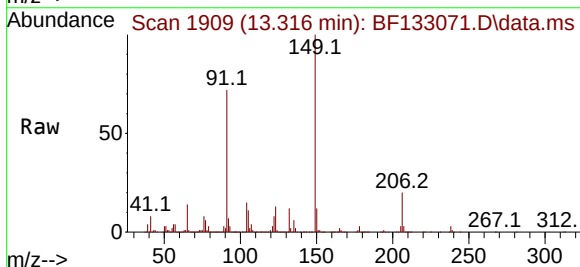
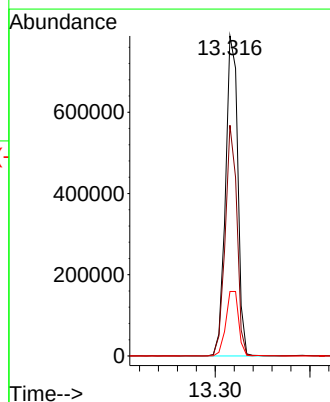
Tgt Ion:149 Resp: 710721

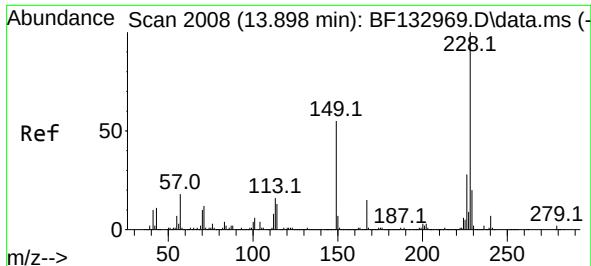
Ion Ratio Lower Upper

149 100

91 72.1 53.8 80.6

206 20.1 17.5 26.3

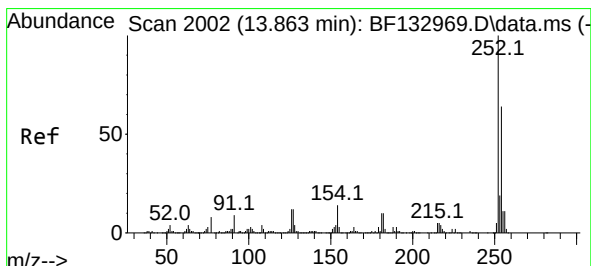
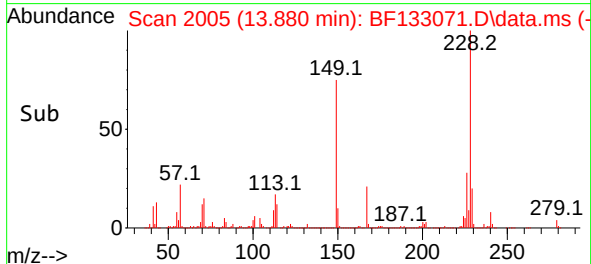
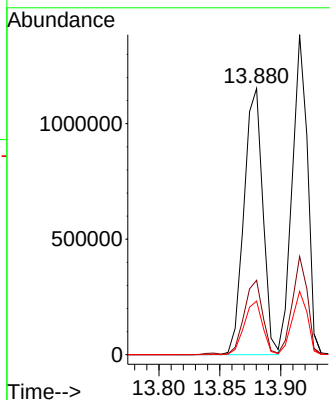
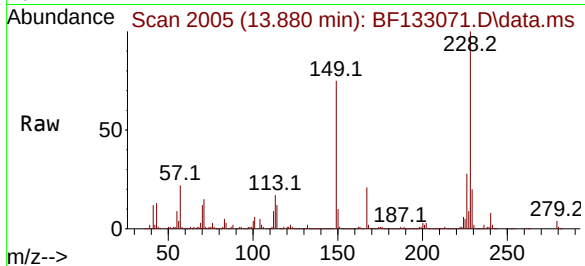




#81
Benzo(a)anthracene
Concen: 48.012 ng
RT: 13.880 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF133071.D
Acq: 26 Apr 2023 18:31

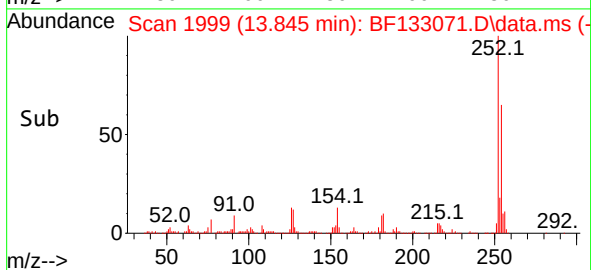
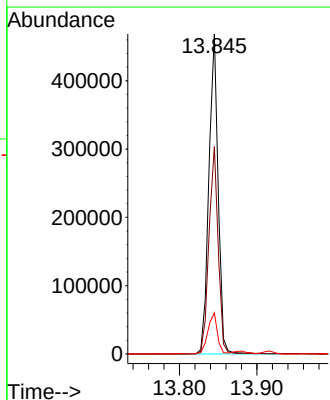
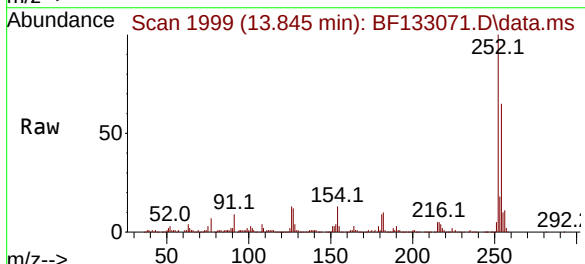
Instrument :
BNA_F
ClientSampleId :
20230324-COMP-2MSD

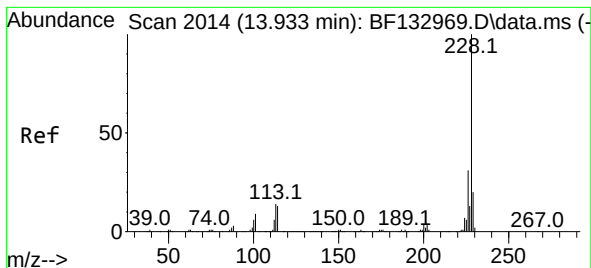
Tgt Ion:228 Resp: 1244566
Ion Ratio Lower Upper
228 100
226 27.9 22.2 33.4
229 20.1 16.0 24.0



#82
3,3'-Dichlorobenzidine
Concen: 54.373 ng
RT: 13.845 min Scan# 1999
Delta R.T. 0.000 min
Lab File: BF133071.D
Acq: 26 Apr 2023 18:31

Tgt Ion:252 Resp: 389369
Ion Ratio Lower Upper
252 100
254 64.8 51.5 77.3
126 12.9 9.5 14.3





#83

Chrysene

Concen: 46.447 ng

RT: 13.916 min Scan# 2011

Delta R.T. 0.000 min

Lab File: BF133071.D

Acq: 26 Apr 2023 18:31

Instrument :

BNA_F

ClientSampleId :

20230324-COMP-2MSD

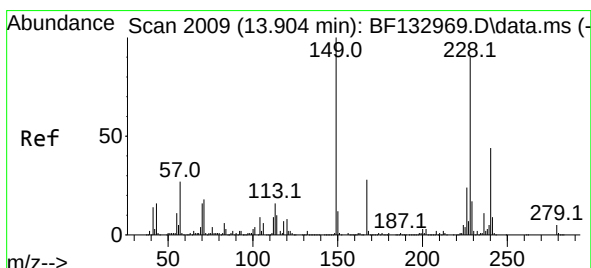
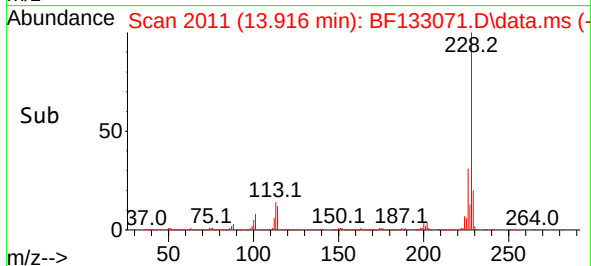
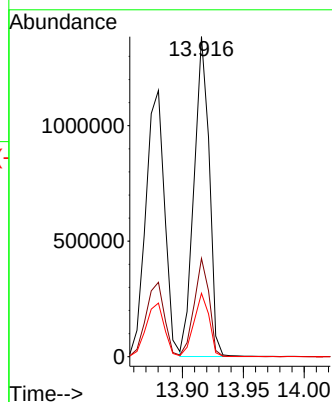
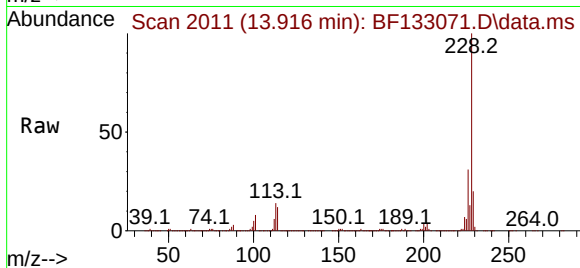
Tgt Ion:228 Resp: 1203703

Ion Ratio Lower Upper

228 100

226 30.7 24.7 37.1

229 19.8 16.1 24.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 55.157 ng

RT: 13.880 min Scan# 2005

Delta R.T. 0.000 min

Lab File: BF133071.D

Acq: 26 Apr 2023 18:31

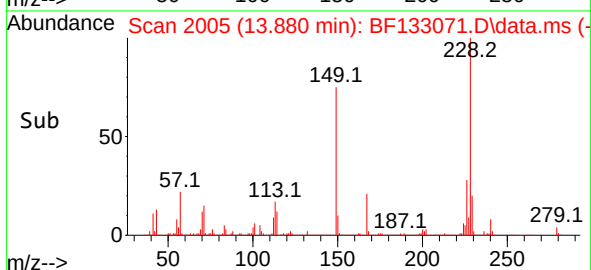
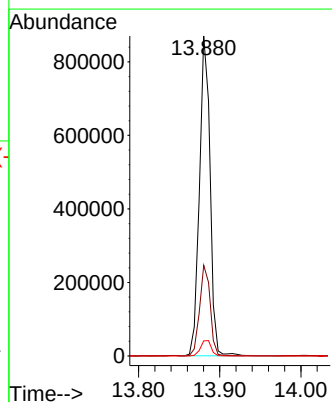
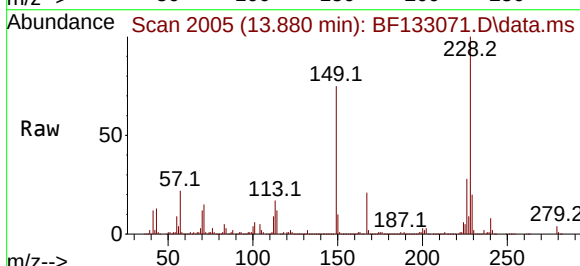
Tgt Ion:149 Resp: 792122

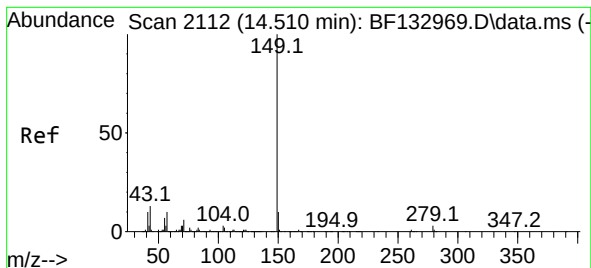
Ion Ratio Lower Upper

149 100

167 28.4 22.5 33.7

279 4.7 4.2 6.4





#85

Di-n-octyl phthalate

Concen: 53.644 ng

RT: 14.492 min Scan# 2112

Delta R.T. 0.000 min

Lab File: BF133071.D

Acq: 26 Apr 2023 18:31

Instrument :

BNA_F

ClientSampleId :

20230324-COMP-2MSD

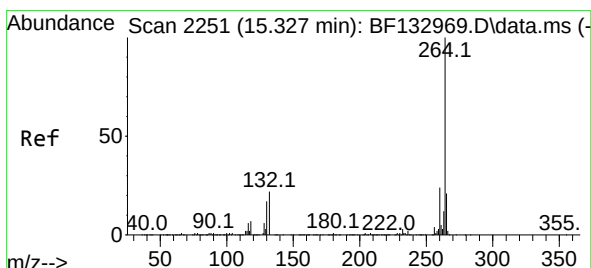
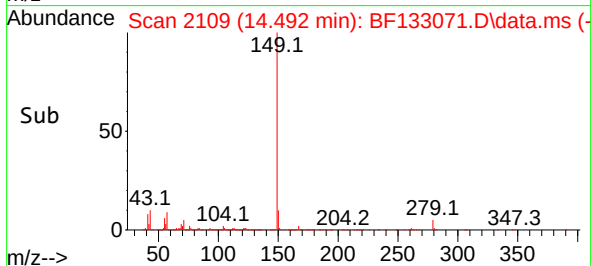
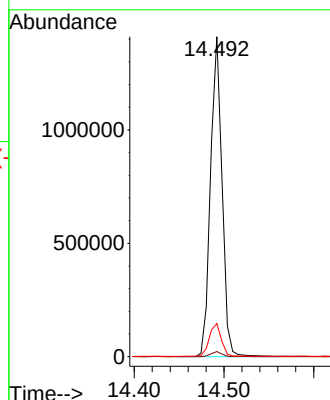
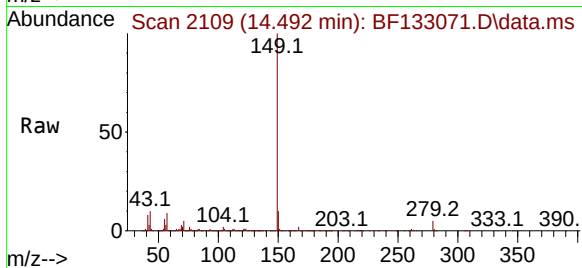
Tgt Ion:149 Resp: 1256160

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

43 10.7 9.5 14.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.304 min Scan# 2247

Delta R.T. 0.000 min

Lab File: BF133071.D

Acq: 26 Apr 2023 18:31

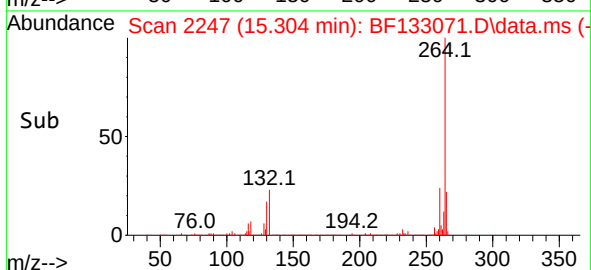
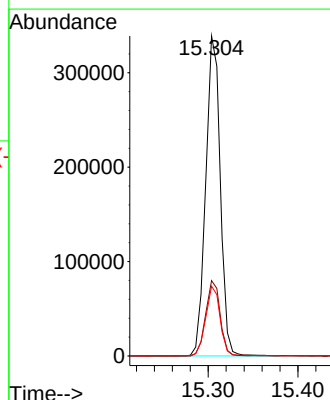
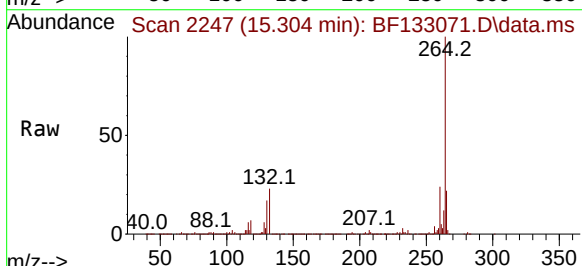
Tgt Ion:264 Resp: 381562

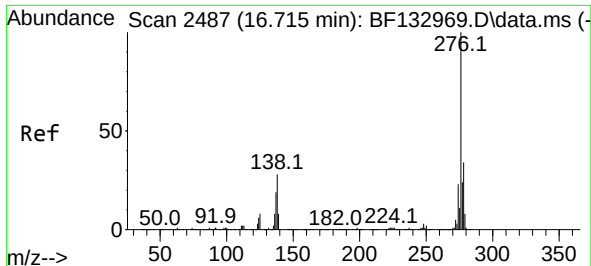
Ion Ratio Lower Upper

264 100

260 23.6 18.8 28.2

265 21.8 17.0 25.4

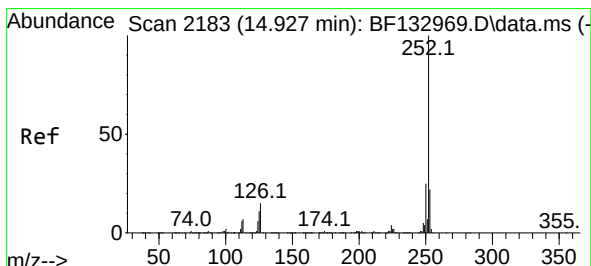
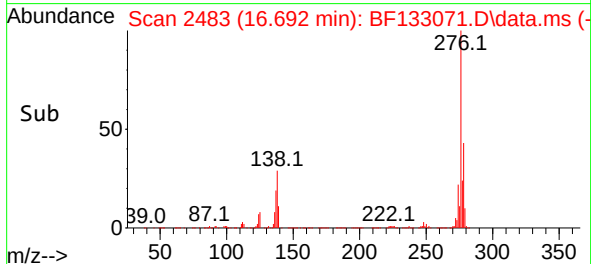
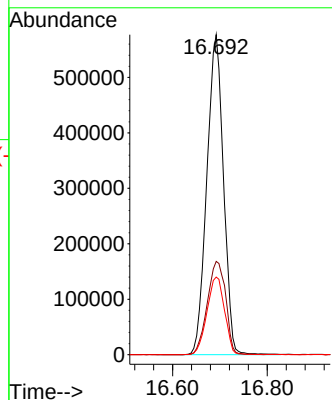
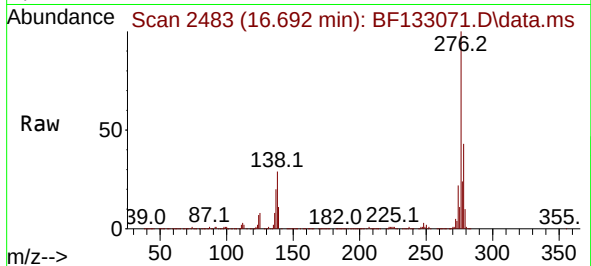




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 64.958 ng
 RT: 16.692 min Scan# 2487
 Delta R.T. 0.006 min
 Lab File: BF133071.D
 Acq: 26 Apr 2023 18:31

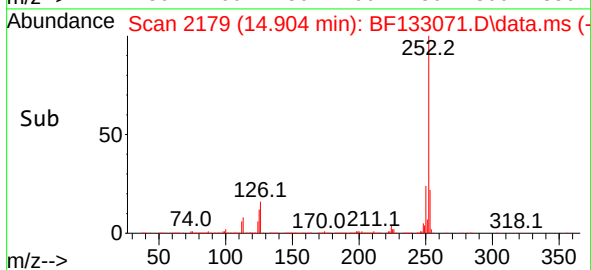
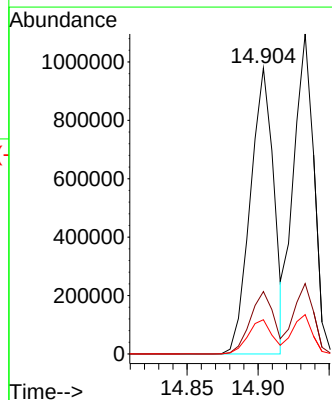
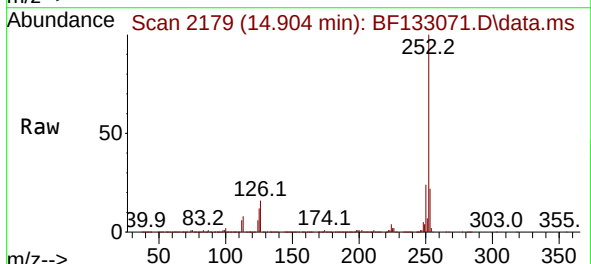
Instrument :
 BNA_F
 ClientSampleId :
 20230324-COMP-2MSD

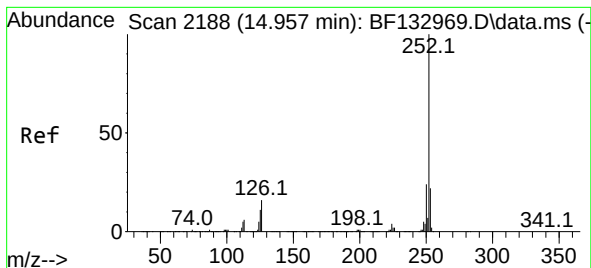
Tgt Ion:276 Resp: 1409860
 Ion Ratio Lower Upper
 276 100
 138 32.2 25.5 38.3
 277 25.7 20.4 30.6



#88
 Benzo(b)fluoranthene
 Concen: 46.387 ng
 RT: 14.904 min Scan# 2179
 Delta R.T. 0.000 min
 Lab File: BF133071.D
 Acq: 26 Apr 2023 18:31

Tgt Ion:252 Resp: 1126021
 Ion Ratio Lower Upper
 252 100
 253 21.8 17.6 26.4
 125 12.0 8.9 13.3





#89

Benzo(k)fluoranthene

Concen: 45.180 ng

RT: 14.933 min Scan# 2184

Delta R.T. 0.000 min

Lab File: BF133071.D

Acq: 26 Apr 2023 18:31

Instrument :

BNA_F

ClientSampleId :

20230324-COMP-2MSD

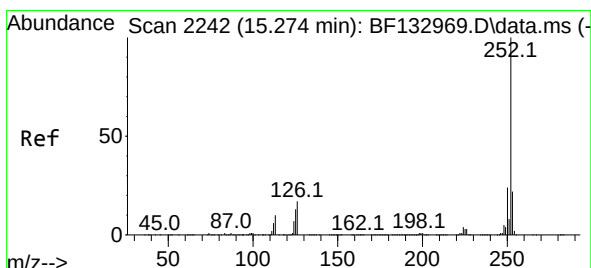
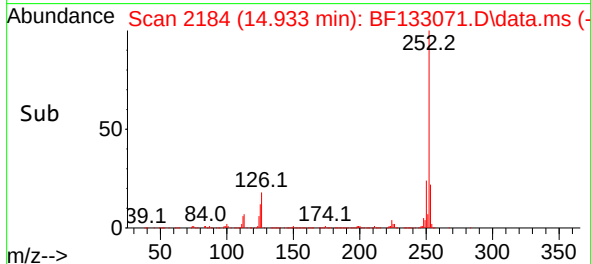
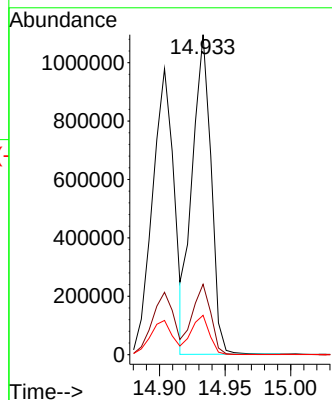
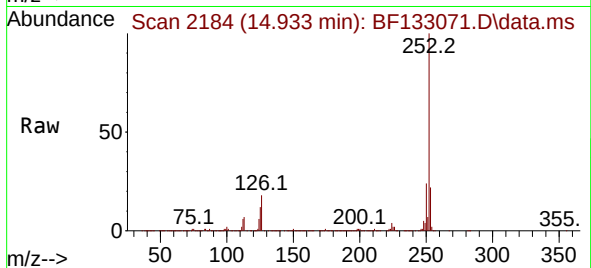
Tgt Ion:252 Resp: 1087160

Ion Ratio Lower Upper

252 100

253 22.0 17.7 26.5

125 12.3 9.0 13.4



#90

Benzo(a)pyrene

Concen: 45.476 ng

RT: 15.251 min Scan# 2238

Delta R.T. 0.000 min

Lab File: BF133071.D

Acq: 26 Apr 2023 18:31

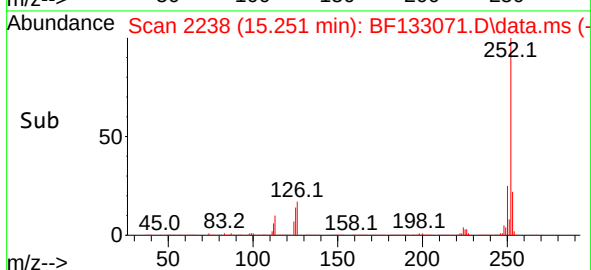
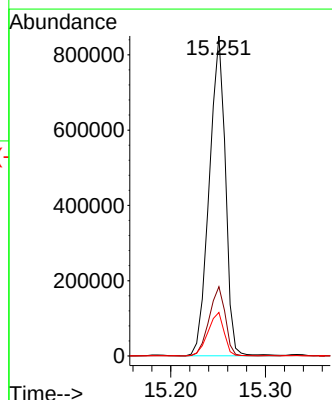
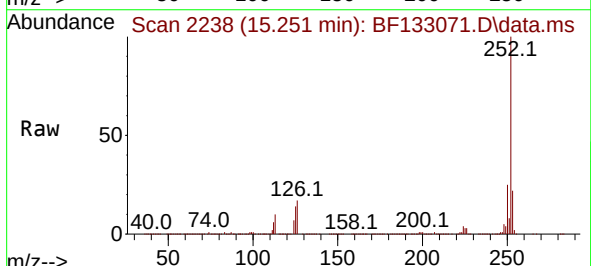
Tgt Ion:252 Resp: 1004776

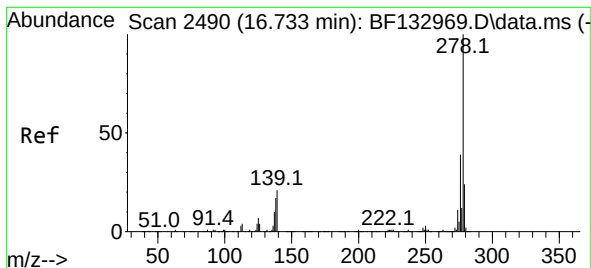
Ion Ratio Lower Upper

252 100

253 21.6 17.7 26.5

125 13.6 10.5 15.7





#91

Dibenzo(a,h)anthracene

Concen: 64.597 ng

RT: 16.709 min Scan# 24

Delta R.T. 0.006 min

Lab File: BF133071.D

Acq: 26 Apr 2023 18:31

Instrument :

BNA_F

ClientSampleId :

20230324-COMP-2MSD

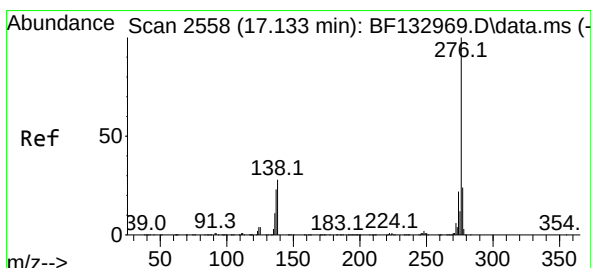
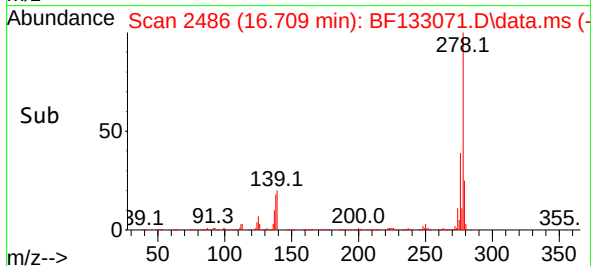
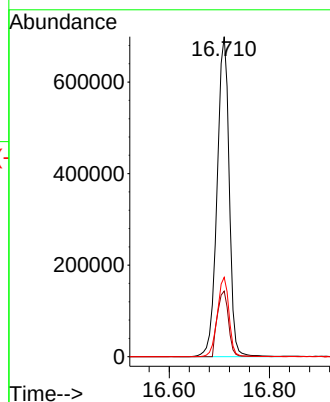
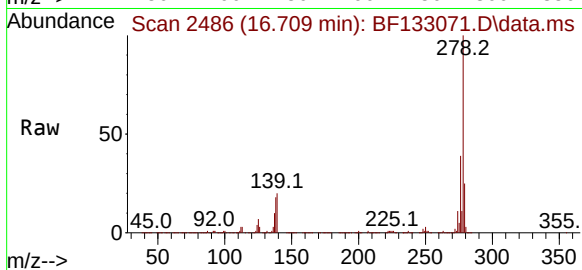
Tgt Ion:278 Resp: 1169344

Ion Ratio Lower Upper

278 100

139 20.5 16.6 24.8

279 24.8 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 66.245 ng

RT: 17.109 min Scan# 2554

Delta R.T. 0.012 min

Lab File: BF133071.D

Acq: 26 Apr 2023 18:31

Tgt Ion:276 Resp: 1183898

Ion Ratio Lower Upper

276 100

277 23.2 19.4 29.0

138 28.0 22.7 34.1

