

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051823\
 Data File : BF133442.D
 Acq On : 18 May 2023 17:09
 Operator : CG\JU
 Sample : 02828-04MS
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-4MS

Quant Time: May 18 17:52:54 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 16 14:39:29 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.710	152	173118	20.000	ng	-0.01
21) Naphthalene-d8	7.998	136	763238	20.000	ng	-0.01
39) Acenaphthene-d10	9.751	164	404845	20.000	ng	-0.01
64) Phenanthrene-d10	11.233	188	615318	20.000	ng	-0.01
76) Chrysene-d12	13.874	240	391662	20.000	ng	-0.01
86) Perylene-d12	15.292	264	437084	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	1360930	118.753	ng	0.00
7) Phenol-d6	6.363	99	1646224	115.732	ng	0.00
23) Nitrobenzene-d5	7.281	82	1031699	72.963	ng	-0.01
42) 2,4,6-Tribromophenol	10.545	330	457236	112.302	ng	0.00
45) 2-Fluorobiphenyl	9.075	172	1887333	77.993	ng	-0.01
79) Terphenyl-d14	12.822	244	1904017	83.843	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.399	88	244320	45.963	ng	94
3) Pyridine	3.087	79	638974	45.259	ng	95
4) n-Nitrosodimethylamine	3.052	42	326242	44.613	ng	95
6) Aniline	6.375	93	640452	34.958	ng	# 28
8) 2-Chlorophenol	6.504	128	652945	56.115	ng	94
9) Benzaldehyde	6.257	77	407846	Below Cal		99
10) Phenol	6.381	94	775556	49.423	ng	85
11) bis(2-Chloroethyl)ether	6.451	93	614644	52.197	ng	95
12) 1,3-Dichlorobenzene	6.651	146	683633	55.261	ng	99
13) 1,4-Dichlorobenzene	6.728	146	699483	56.417	ng	99
14) 1,2-Dichlorobenzene	6.881	146	646810	56.586	ng	97
15) Benzyl Alcohol	6.863	79	524115	53.341	ng	100
16) 2,2'-oxybis(1-Chloropr...	6.998	45	960337	46.954	ng	87
17) 2-Methylphenol	6.987	107	526892	49.452	ng	# 93
18) Hexachloroethane	7.222	117	243674	56.530	ng	96
19) n-Nitroso-di-n-propyla...	7.134	70	425043	47.998	ng	96
20) 3+4-Methylphenols	7.140	107	668354	53.266	ng	# 66
22) Acetophenone	7.128	105	884536	50.030	ng	# 92
24) Nitrobenzene	7.304	77	652420	45.533	ng	95
25) Isophorone	7.540	82	1230099	45.819	ng	98
26) 2-Nitrophenol	7.616	139	374263	54.154	ng	99
27) 2,4-Dimethylphenol	7.663	122	593202	50.057	ng	98
28) bis(2-Chloroethoxy)met...	7.751	93	757600	47.700	ng	99
29) 2,4-Dichlorophenol	7.863	162	551307	51.103	ng	99
30) 1,2,4-Trichlorobenzene	7.945	180	565136	50.565	ng	97
31) Naphthalene	8.022	128	1825138	47.829	ng	99
32) Benzoic acid	7.804	122	294931	40.291	ng	97
33) 4-Chloroaniline	8.075	127	257751	16.718	ng	97
34) Hexachlorobutadiene	8.140	225	309249	49.923	ng	99
35) Caprolactam	8.487	113	65210	17.993	ng	90
36) 4-Chloro-3-methylphenol	8.569	107	589644	50.685	ng	99
37) 2-Methylnaphthalene	8.710	142	1221985	46.840	ng	99
38) 1-Methylnaphthalene	8.810	142	1141943	46.790	ng	99
40) 1,2,4,5-Tetrachloroben...	8.881	216	524294	48.166	ng	99
41) Hexachlorocyclopentadiene	8.869	237	562425	88.595	ng	98
43) 2,4,6-Trichlorophenol	8.998	196	363112	48.236	ng	99

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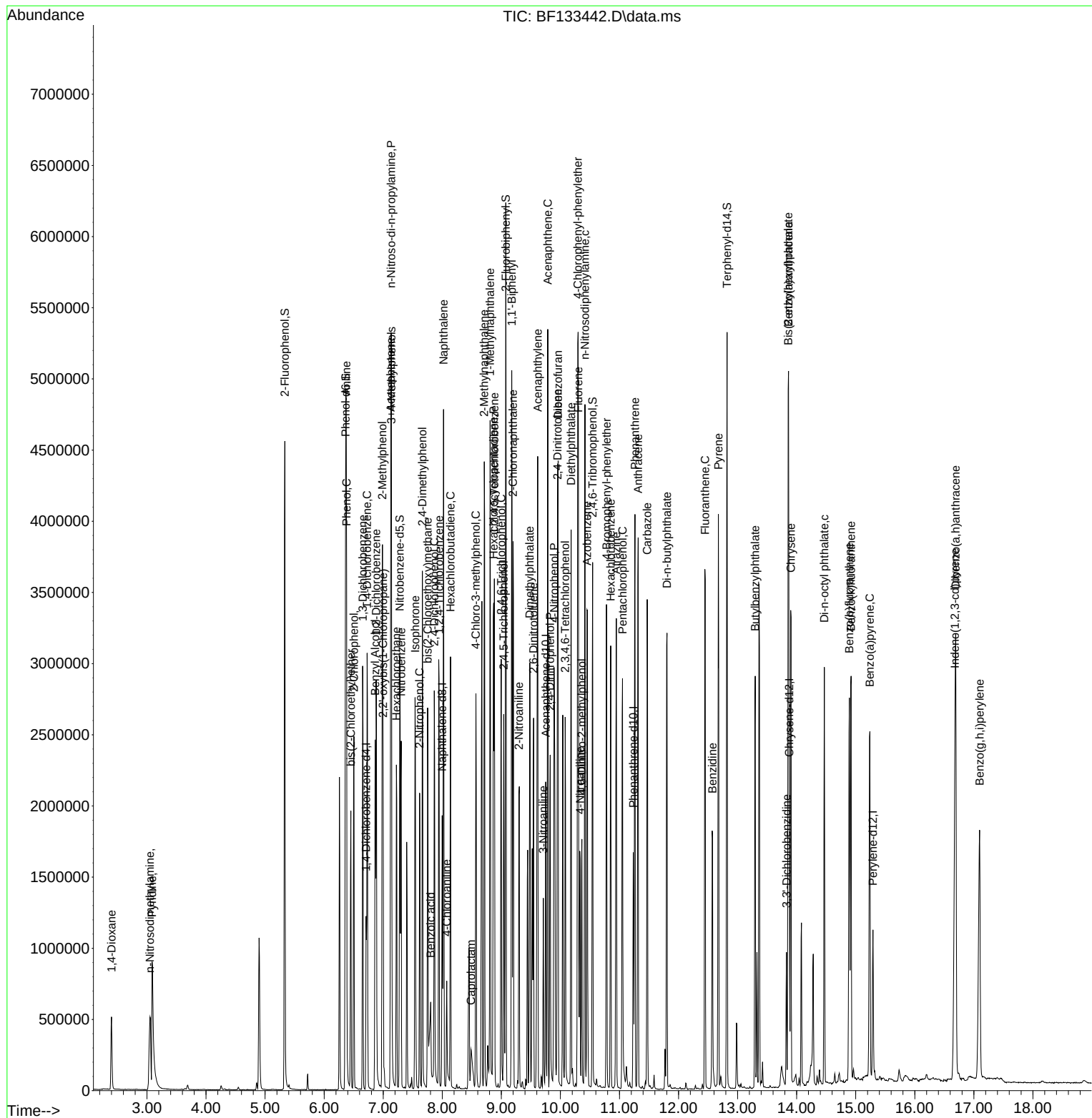
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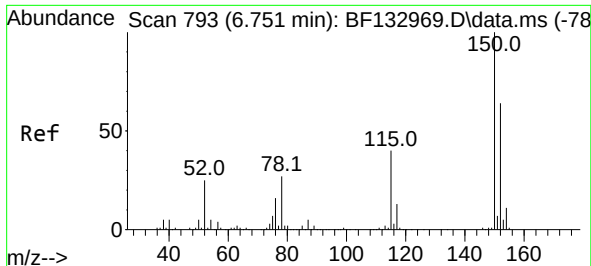
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 16 14:39:29 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.039	196	395862	45.469	ng	99
46) 1,1'-Biphenyl	9.175	154	1533168	47.759	ng	99
47) 2-Chloronaphthalene	9.198	162	1143218	48.654	ng	98
48) 2-Nitroaniline	9.298	65	359382	46.279	ng	96
49) Acenaphthylene	9.616	152	1761510	46.918	ng	99
50) Dimethylphthalate	9.481	163	1392859	49.341	ng	100
51) 2,6-Dinitrotoluene	9.545	165	322900	50.821	ng	85
52) Acenaphthene	9.786	154	1084229	43.118	ng	99
53) 3-Nitroaniline	9.710	138	197758	26.177	ng	98
54) 2,4-Dinitrophenol	9.828	184	347780	108.898	ng	93
55) Dibenzofuran	9.957	168	1567292	45.693	ng	98
56) 4-Nitrophenol	9.892	139	491425	83.987	ng	93
57) 2,4-Dinitrotoluene	9.951	165	402908	49.725	ng	93
58) Fluorene	10.304	166	1191867	47.428	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.081	232	324903	48.137	ng	96
60) Diethylphthalate	10.181	149	1305200	48.950	ng	99
61) 4-Chlorophenyl-phenyle...	10.292	204	591391	48.291	ng	98
62) 4-Nitroaniline	10.333	138	372782	53.689	ng	93
63) Azobenzene	10.451	77	1301663	46.083	ng	98
65) 4,6-Dinitro-2-methylph...	10.363	198	254451	68.225	ng	95
66) n-Nitrosodiphenylamine	10.416	169	1119825	56.105	ng	99
67) 4-Bromophenyl-phenylether	10.781	248	377271	56.533	ng	95
68) Hexachlorobenzene	10.851	284	412057	60.258	ng	99
69) Atrazine	10.945	200	395168	68.711	ng	99
70) Pentachlorophenol	11.051	266	412797	84.761	ng	98
71) Phenanthrene	11.263	178	1536523	46.461	ng	99
72) Anthracene	11.316	178	1595683	47.147	ng	100
73) Carbazole	11.469	167	1450805	48.141	ng	99
74) Di-n-butylphthalate	11.804	149	1750655	51.332	ng	99
75) Fluoranthene	12.451	202	1606725	48.408	ng	95
77) Benzidine	12.575	184	775842	117.140	ng	# 92
78) Pyrene	12.675	202	1633949	48.666	ng	99
80) Butylbenzylphthalate	13.298	149	719295	60.507	ng	96
81) Benzo(a)anthracene	13.863	228	1229508	45.650	ng	99
82) 3,3'-Dichlorobenzidine	13.827	252	198004	26.612	ng	100
83) Chrysene	13.904	228	1239647	46.038	ng	99
84) Bis(2-ethylhexyl)phtha...	13.857	149	850382	56.991	ng	100
85) Di-n-octyl phthalate	14.469	149	1381239	56.771	ng	# 93
87) Indeno(1,2,3-cd)pyrene	16.680	276	1624228	65.329	ng	98
88) Benzo(b)fluoranthene	14.892	252	1319510	47.453	ng	100
89) Benzo(k)fluoranthene	14.921	252	1212476	43.987	ng	99
90) Benzo(a)pyrene	15.239	252	1216499	48.064	ng	99
91) Dibenzo(a,h)anthracene	16.692	278	1326393	63.965	ng	99
92) Benzo(g,h,i)perylene	17.098	276	1348054	65.849	ng	98

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

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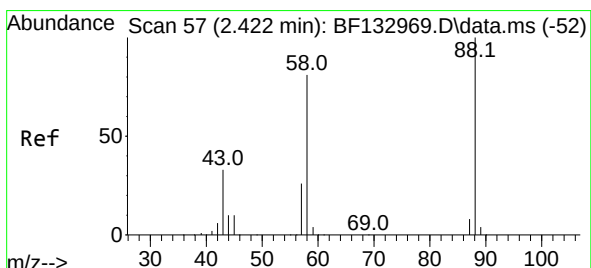
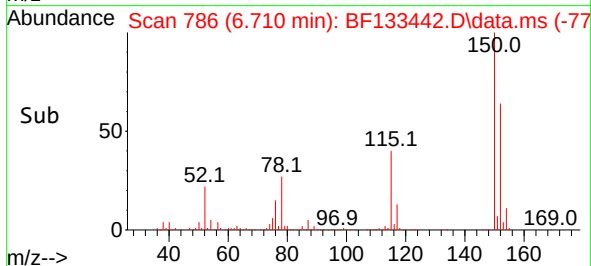
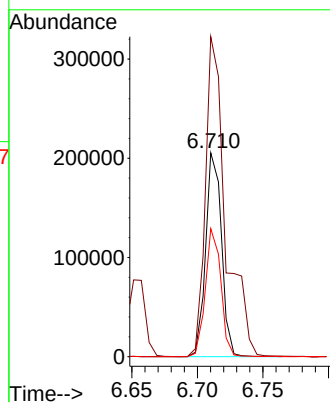
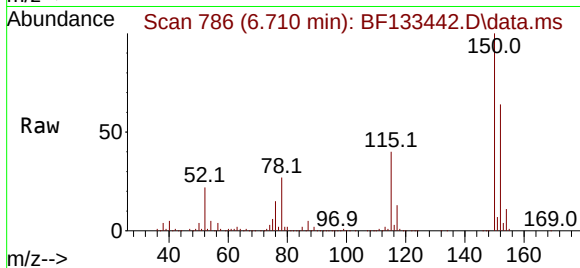




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.710 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133442.D
Acq: 18 May 2023 17:09

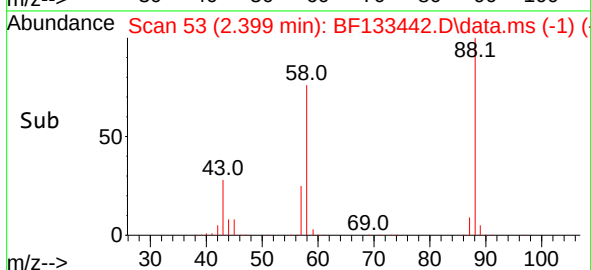
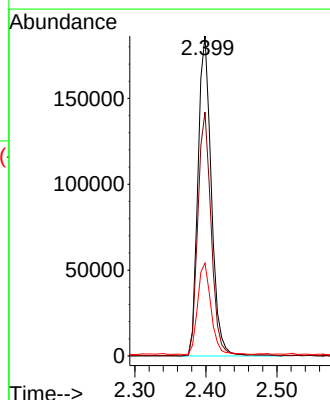
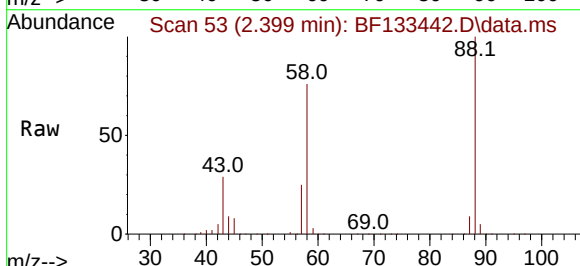
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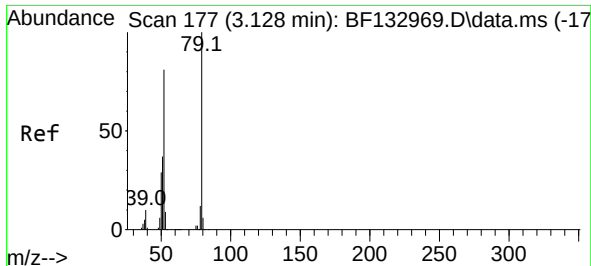
Tgt Ion:152 Resp: 173118
Ion Ratio Lower Upper
152 100
150 156.9 124.8 187.2
115 62.8 49.9 74.9



#2
1,4-Dioxane
Concen: 45.963 ng
RT: 2.399 min Scan# 53
Delta R.T. 0.029 min
Lab File: BF133442.D
Acq: 18 May 2023 17:09

Tgt Ion: 88 Resp: 244320
Ion Ratio Lower Upper
88 100
58 75.8 64.7 97.1
43 28.4 26.2 39.2

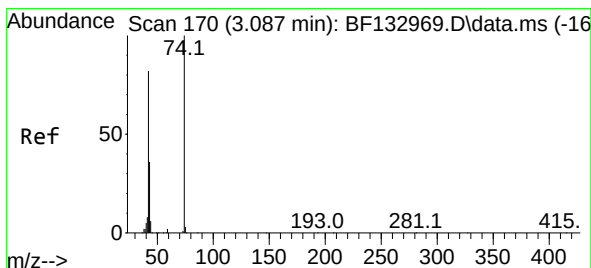
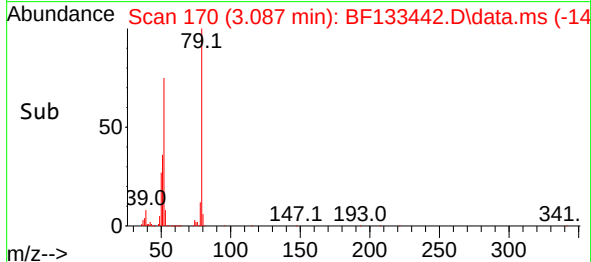
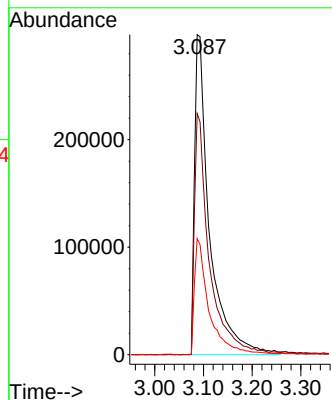
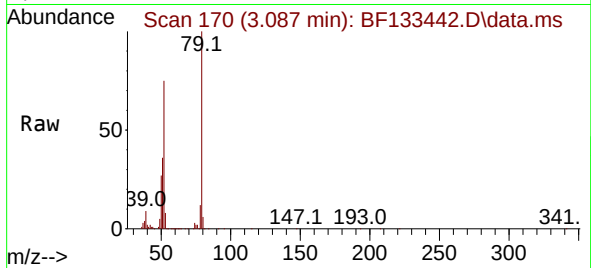




#3
Pyridine
Concen: 45.259 ng
RT: 3.087 min Scan# 11
Delta R.T. 0.024 min
Lab File: BF133442.D
Acq: 18 May 2023 17:09

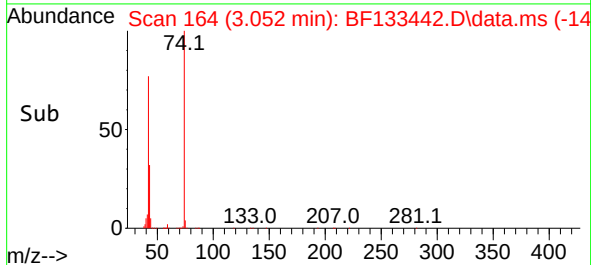
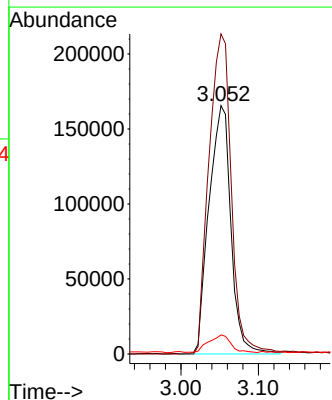
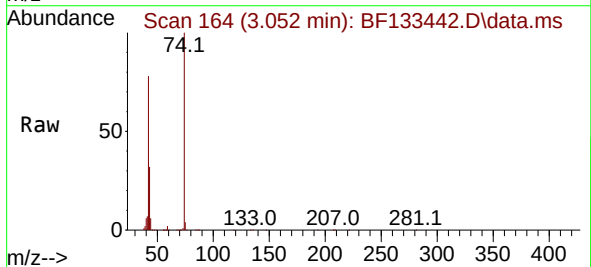
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ClientSampleId :
SB-4MS

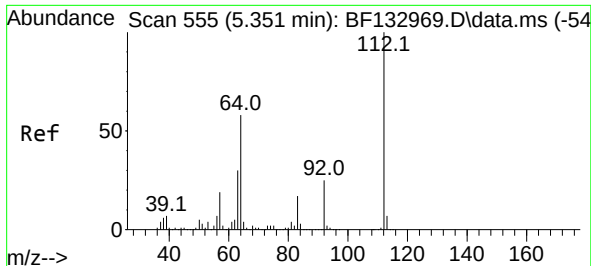
Tgt Ion: 79 Resp: 638974
Ion Ratio Lower Upper
79 100
52 75.3 64.6 96.8
51 36.2 30.0 45.0



#4
n-Nitrosodimethylamine
Concen: 44.613 ng
RT: 3.052 min Scan# 164
Delta R.T. 0.024 min
Lab File: BF133442.D
Acq: 18 May 2023 17:09

Tgt Ion: 42 Resp: 326242
Ion Ratio Lower Upper
42 100
74 128.8 98.0 147.0
44 7.7 5.8 8.8

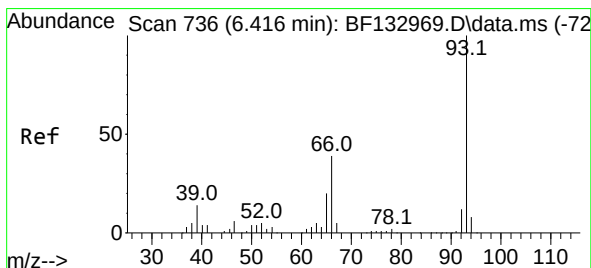
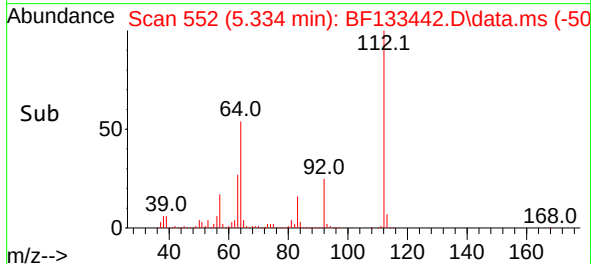
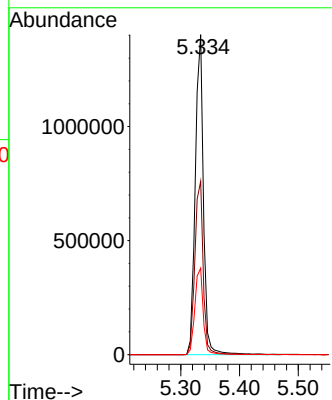
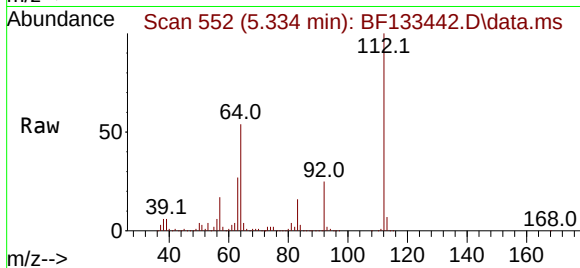




#5
2-Fluorophenol
Concen: 118.753 ng
RT: 5.334 min Scan# 511
Delta R.T. 0.000 min
Lab File: BF133442.D
Acq: 18 May 2023 17:09

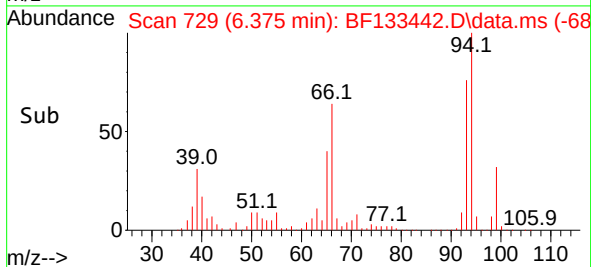
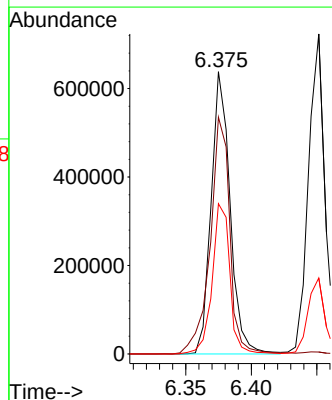
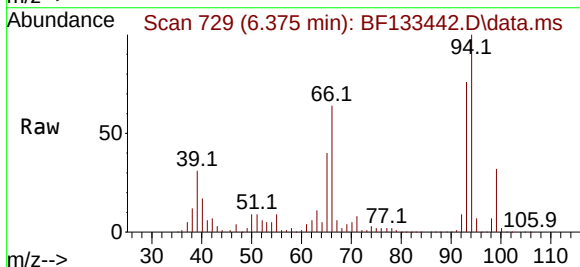
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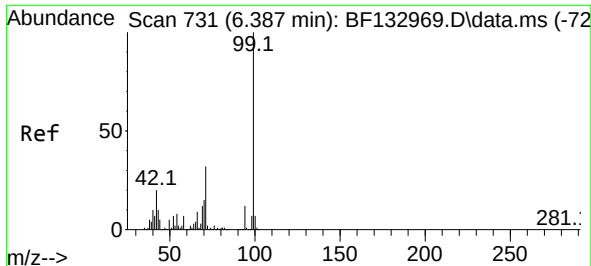
Tgt Ion:112 Resp: 1360930
Ion Ratio Lower Upper
112 100
64 54.2 46.8 70.2
63 27.0 23.8 35.8



#6
Aniline
Concen: 34.958 ng
RT: 6.375 min Scan# 729
Delta R.T. -0.012 min
Lab File: BF133442.D
Acq: 18 May 2023 17:09

Tgt Ion: 93 Resp: 640452
Ion Ratio Lower Upper
93 100
66 83.9 31.5 47.3#
65 53.3 16.4 24.6#

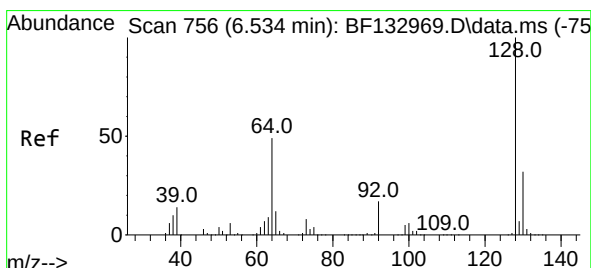
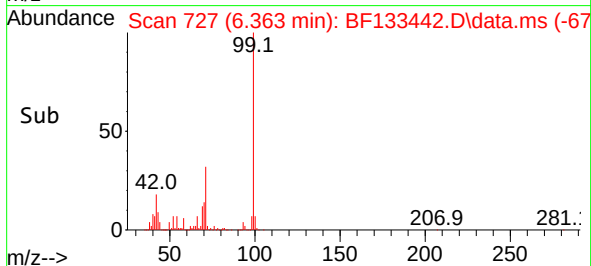
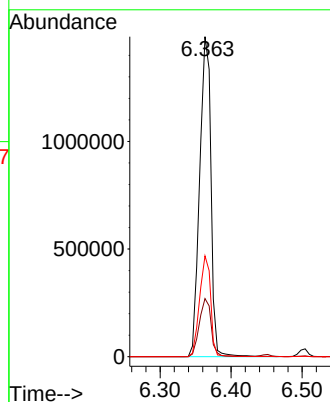
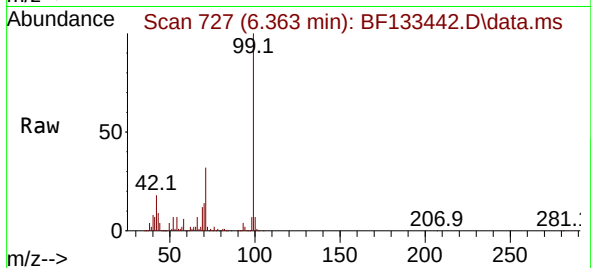




#7
Phenol-d6
Concen: 115.732 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133442.D
Acq: 18 May 2023 17:09

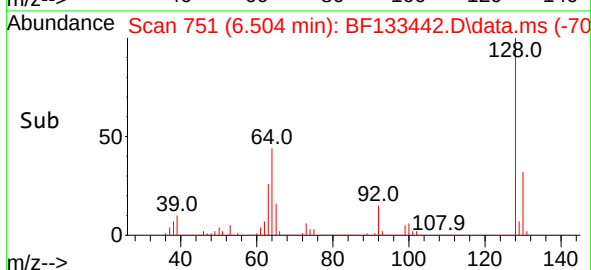
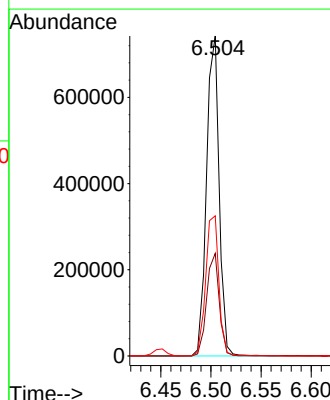
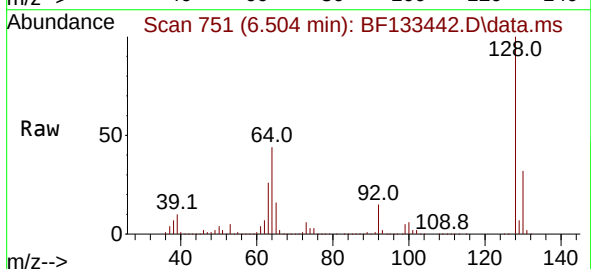
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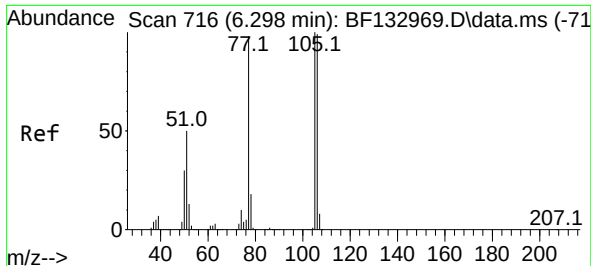
Tgt Ion: 99 Resp: 1646224
Ion Ratio Lower Upper
99 100
42 18.1 16.3 24.5
71 31.5 25.6 38.4



#8
2-Chlorophenol
Concen: 56.115 ng
RT: 6.504 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF133442.D
Acq: 18 May 2023 17:09

Tgt Ion:128 Resp: 652945
Ion Ratio Lower Upper
128 100
130 32.0 12.2 52.2
64 43.8 30.3 70.3

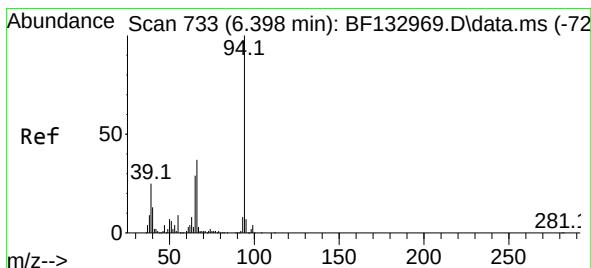
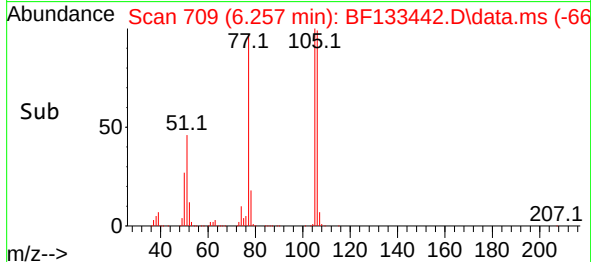
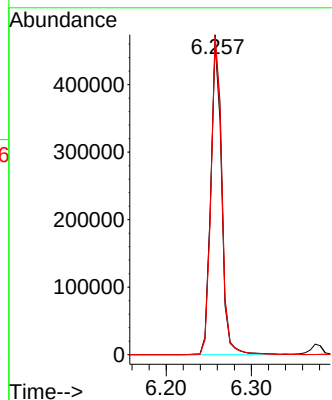
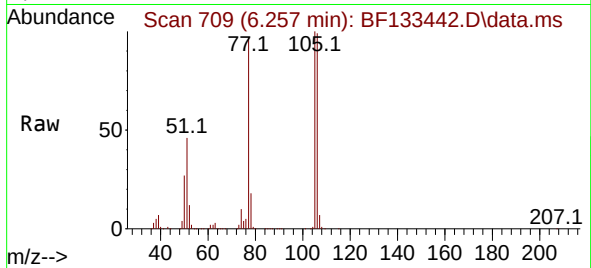




#9
Benzaldehyde
Concen: Below Cal
RT: 6.257 min Scan# 709
Delta R.T. -0.012 min
Lab File: BF133442.D
Acq: 18 May 2023 17:09

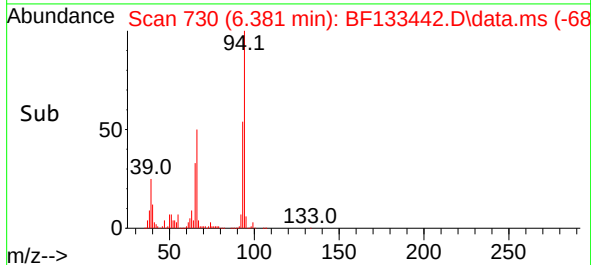
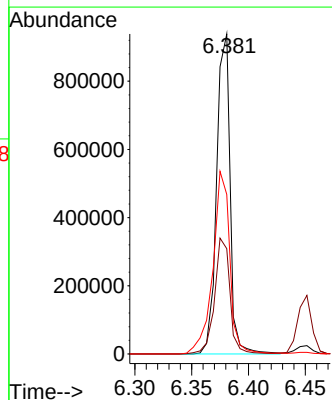
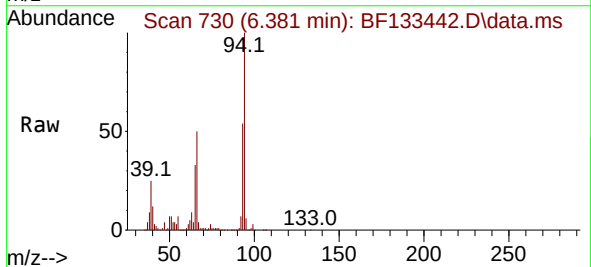
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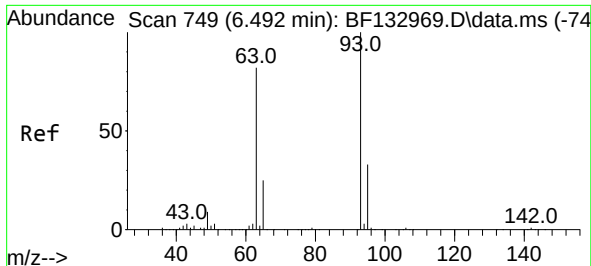
Tgt Ion: 77 Resp: 407846
Ion Ratio Lower Upper
77 100
105 102.7 82.3 122.3
106 101.8 80.8 120.8



#10
Phenol
Concen: 49.423 ng
RT: 6.381 min Scan# 730
Delta R.T. -0.006 min
Lab File: BF133442.D
Acq: 18 May 2023 17:09

Tgt Ion: 94 Resp: 775556
Ion Ratio Lower Upper
94 100
65 32.9 8.6 48.6
66 49.9 17.3 57.3

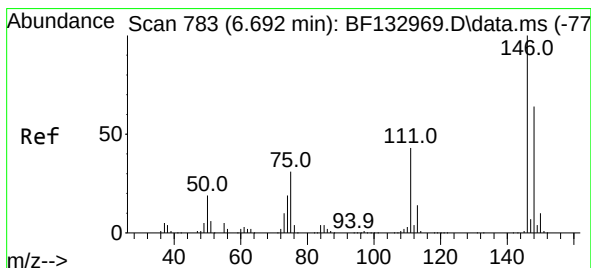
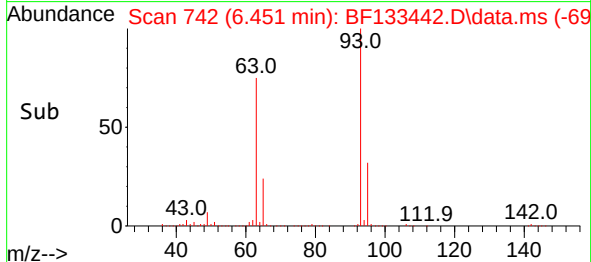
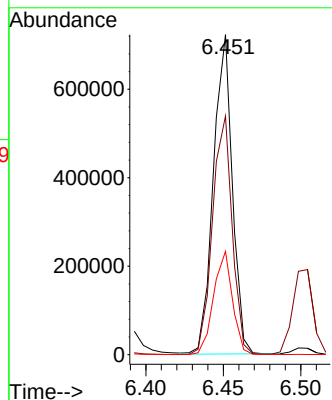
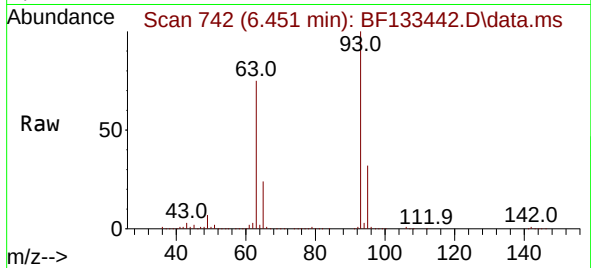




#11
bis(2-Chloroethyl)ether
Concen: 52.197 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF133442.D
Acq: 18 May 2023 17:09

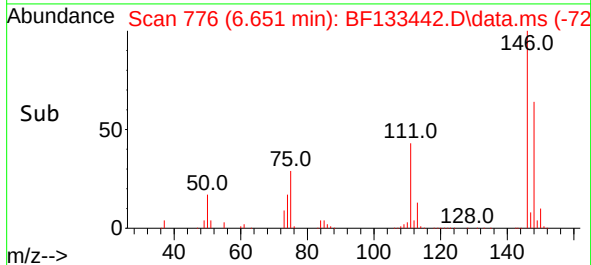
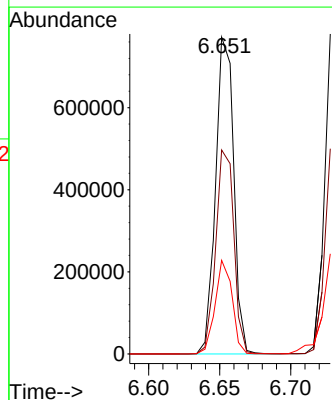
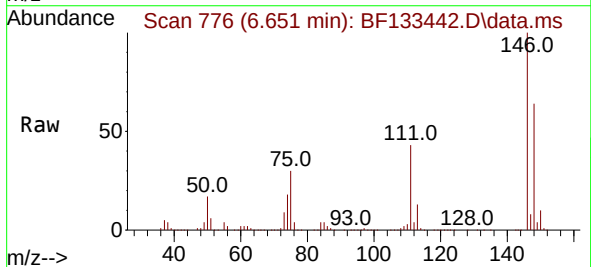
Instrument :
BNA_F
ClientSampleId :
SB-4MS

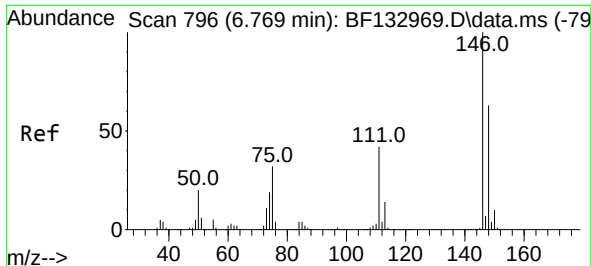
Tgt Ion: 93 Resp: 614644
Ion Ratio Lower Upper
93 100
63 74.6 60.6 100.6
95 32.3 12.9 52.9



#12
1,3-Dichlorobenzene
Concen: 55.261 ng
RT: 6.651 min Scan# 776
Delta R.T. -0.012 min
Lab File: BF133442.D
Acq: 18 May 2023 17:09

Tgt Ion:146 Resp: 683633
Ion Ratio Lower Upper
146 100
148 64.4 51.0 76.4
75 29.6 24.8 37.2





#13

1,4-Dichlorobenzene

Concen: 56.417 ng

RT: 6.728 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF133442.D

Acq: 18 May 2023 17:09

Instrument :

BNA_F

ClientSampleId :

SB-4MS

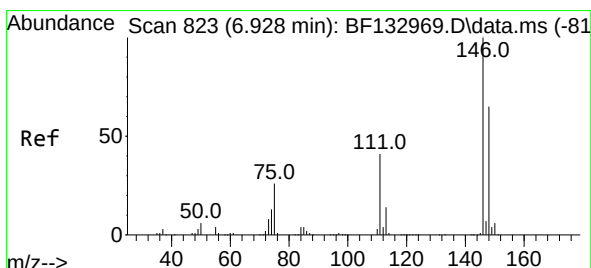
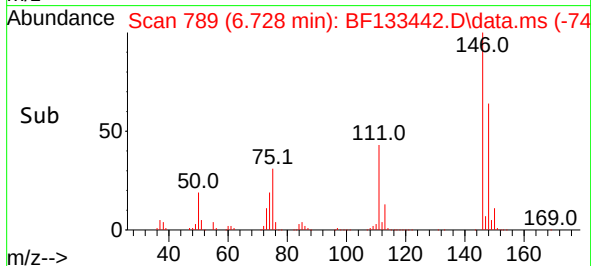
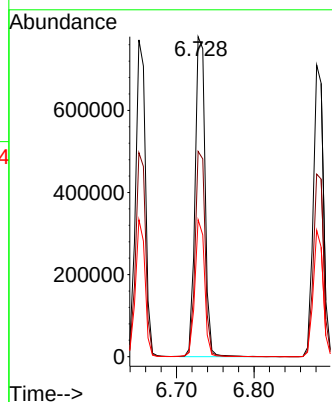
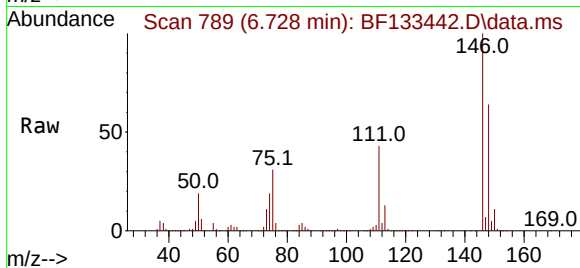
Tgt Ion:146 Resp: 699483

Ion Ratio Lower Upper

146 100

148 64.2 50.3 75.5

111 42.8 33.8 50.6



#14

1,2-Dichlorobenzene

Concen: 56.586 ng

RT: 6.881 min Scan# 815

Delta R.T. -0.012 min

Lab File: BF133442.D

Acq: 18 May 2023 17:09

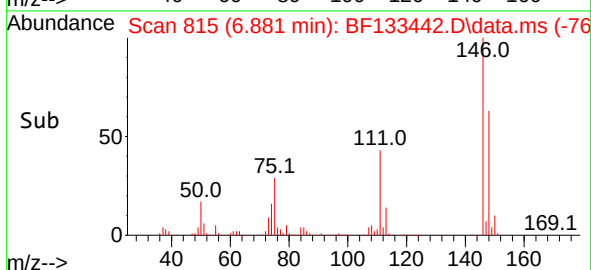
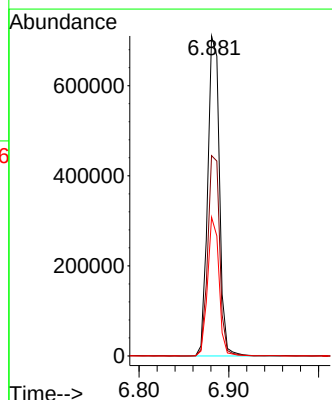
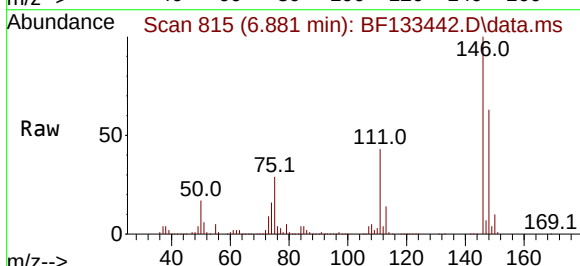
Tgt Ion:146 Resp: 646810

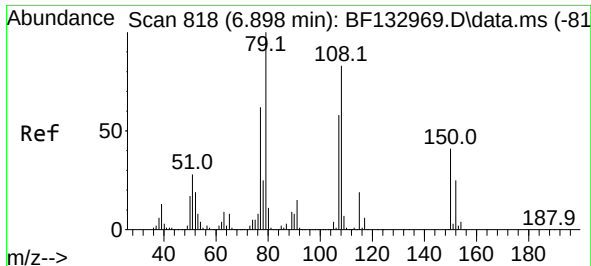
Ion Ratio Lower Upper

146 100

148 62.6 52.2 78.2

111 43.3 32.8 49.2

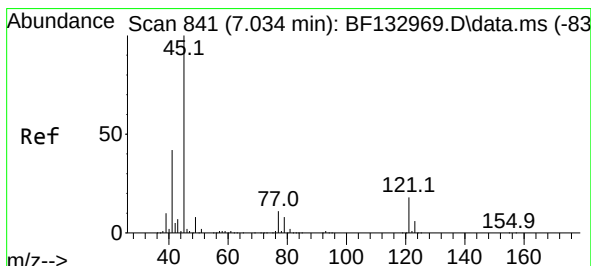
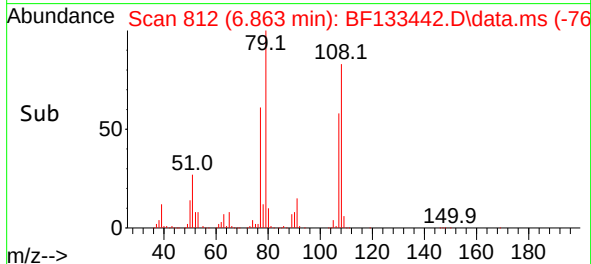
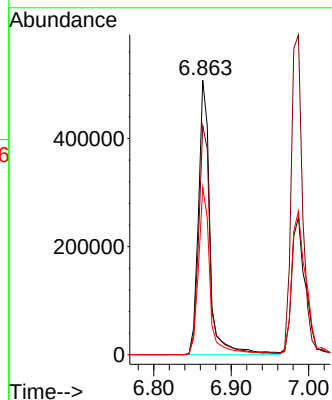
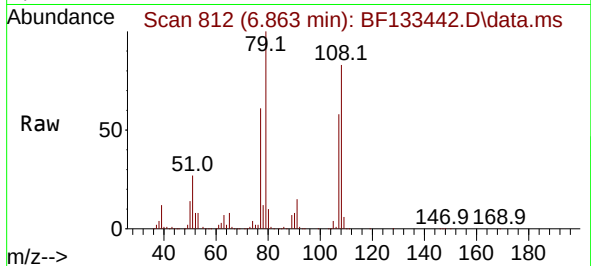




#15
Benzyl Alcohol
Concen: 53.341 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF133442.D
Acq: 18 May 2023 17:09

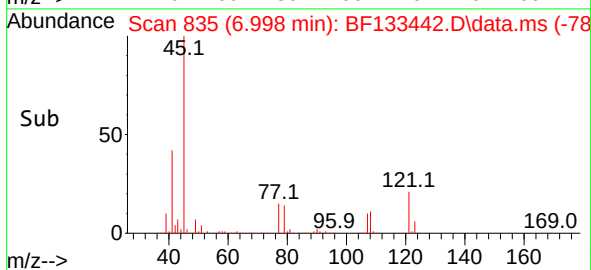
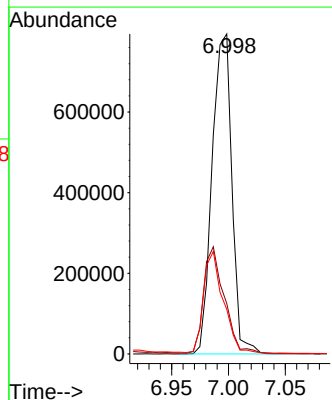
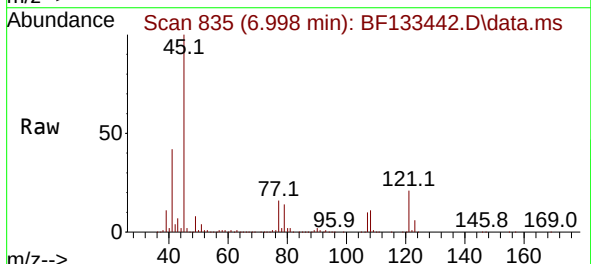
Instrument :
BNA_F
ClientSampleId :
SB-4MS

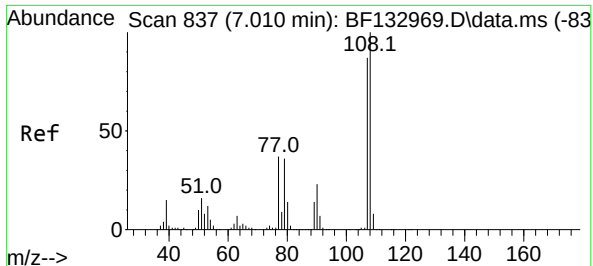
Tgt Ion: 79 Resp: 524115
Ion Ratio Lower Upper
79 100
108 83.4 66.6 99.8
77 60.9 49.2 73.8



#16
2,2'-oxybis(1-Chloropropane)
Concen: 46.954 ng
RT: 6.998 min Scan# 835
Delta R.T. -0.006 min
Lab File: BF133442.D
Acq: 18 May 2023 17:09

Tgt Ion: 45 Resp: 960337
Ion Ratio Lower Upper
45 100
77 15.7 0.0 31.5
79 13.9 0.0 28.7

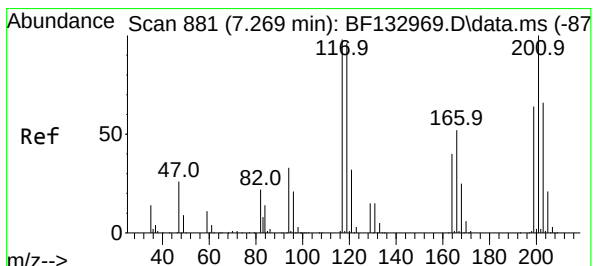
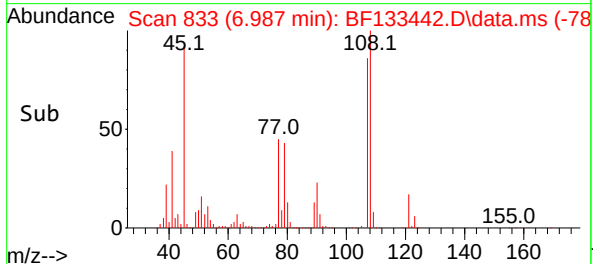
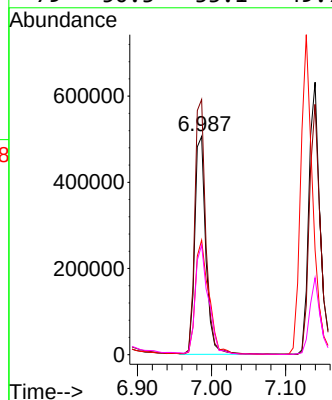
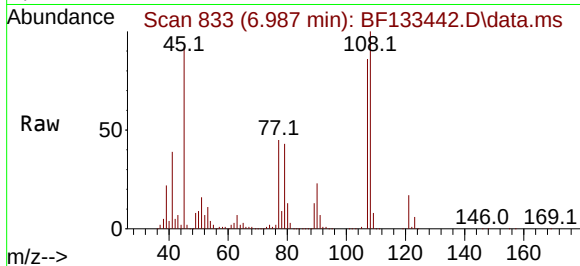




#17
2-Methylphenol
Concen: 49.452 ng
RT: 6.987 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF133442.D
Acq: 18 May 2023 17:09

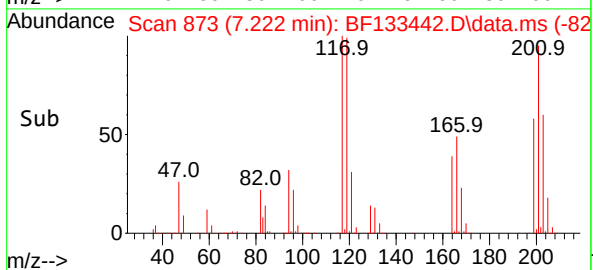
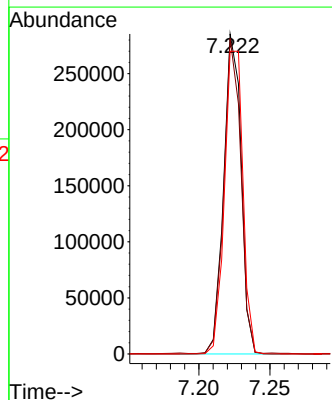
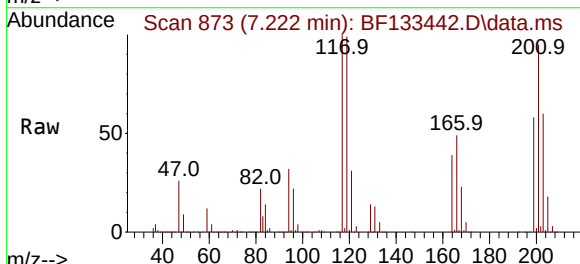
Instrument :
BNA_F
ClientSampleId :
SB-4MS

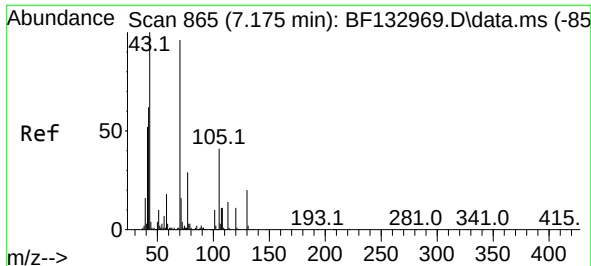
Tgt Ion:107 Resp: 526892
Ion Ratio Lower Upper
107 100
108 116.9 92.4 138.6
77 52.5 33.8 50.8#
79 50.3 33.1 49.7#



#18
Hexachloroethane
Concen: 56.530 ng
RT: 7.222 min Scan# 873
Delta R.T. -0.012 min
Lab File: BF133442.D
Acq: 18 May 2023 17:09

Tgt Ion:117 Resp: 243674
Ion Ratio Lower Upper
117 100
119 98.6 78.2 117.4
201 94.6 81.7 122.5





#19

n-Nitroso-di-n-propylamine

Concen: 47.998 ng

RT: 7.134 min Scan# 858

Delta R.T. -0.012 min

Lab File: BF133442.D

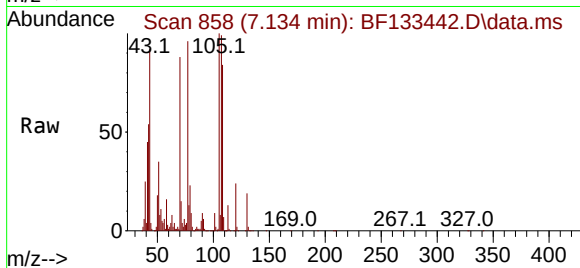
Acq: 18 May 2023 17:09

Instrument :

BNA_F

ClientSampleId :

SB-4MS



Tgt Ion: 70 Resp: 425043

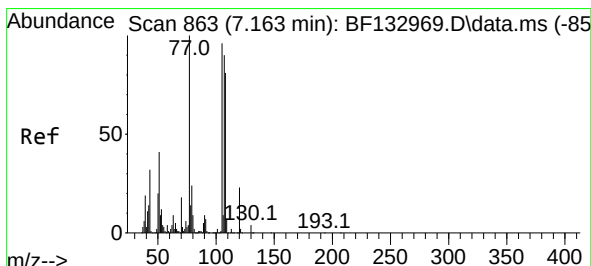
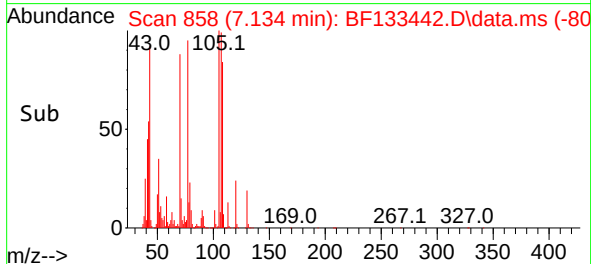
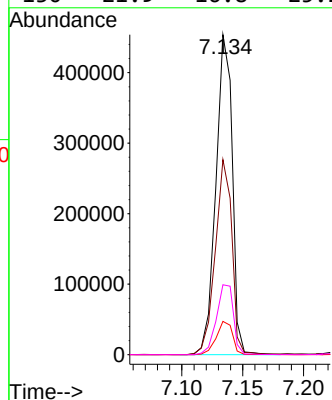
Ion Ratio Lower Upper

70 100

42 60.9 51.8 77.6

101 10.4 8.0 12.0

130 21.9 16.8 25.2



#20

3+4-Methylphenols

Concen: 53.266 ng

RT: 7.140 min Scan# 859

Delta R.T. -0.006 min

Lab File: BF133442.D

Acq: 18 May 2023 17:09

Tgt Ion: 107 Resp: 668354

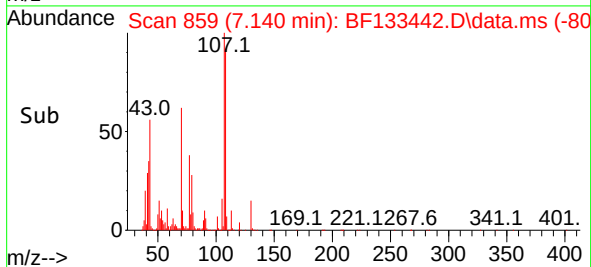
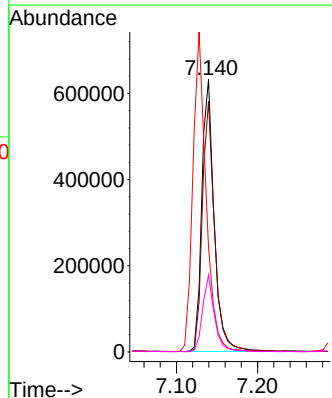
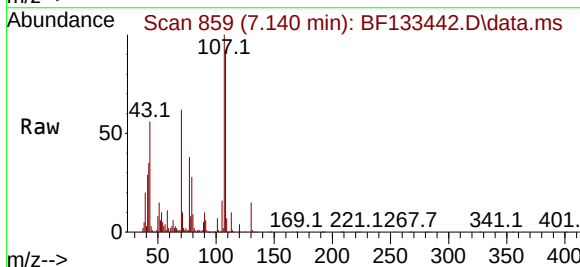
Ion Ratio Lower Upper

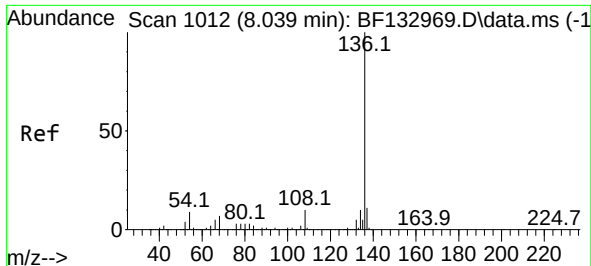
107 100

108 91.9 70.5 110.5

77 38.5 91.7 131.7#

79 28.2 7.1 47.1

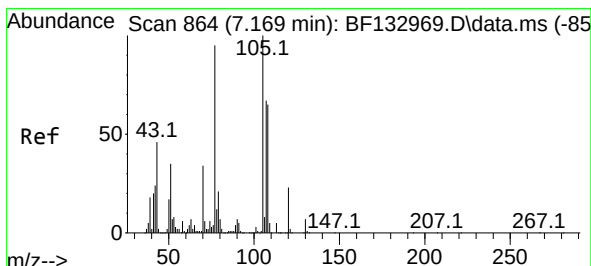
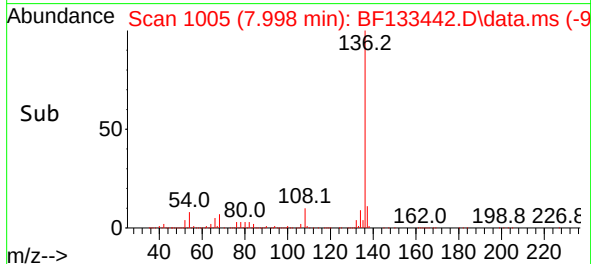
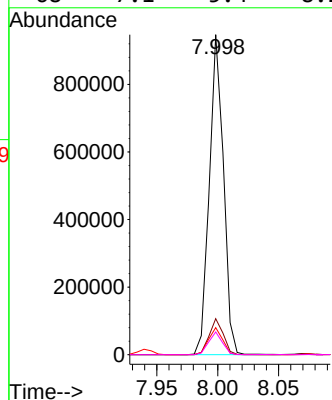
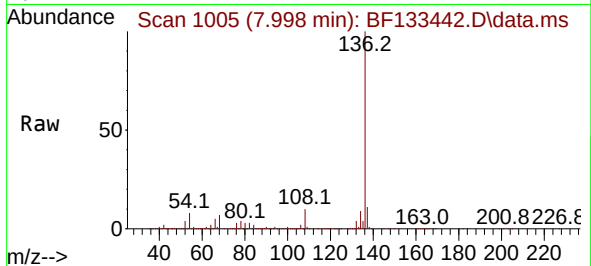




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.998 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF133442.D
Acq: 18 May 2023 17:09

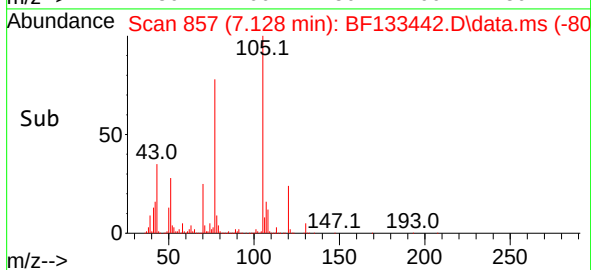
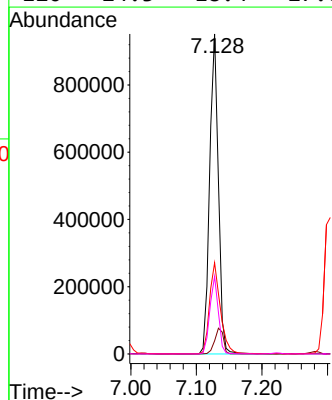
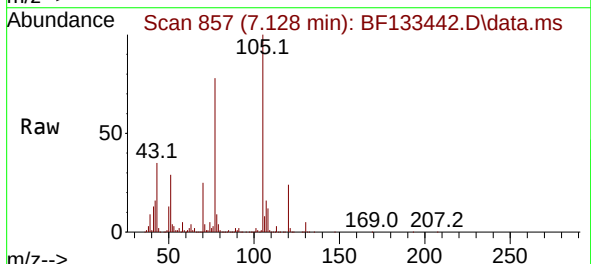
Instrument :
BNA_F
ClientSampleId :
SB-4MS

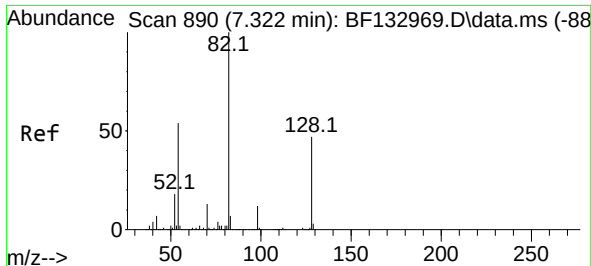
Tgt Ion:	136	Resp:	763238
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.6	13.0
54	8.5	7.0	10.4
68	7.1	5.4	8.2



#22
Acetophenone
Concen: 50.030 ng
RT: 7.128 min Scan# 857
Delta R.T. -0.012 min
Lab File: BF133442.D
Acq: 18 May 2023 17:09

Tgt Ion:	105	Resp:	884536
Ion Ratio	Lower	Upper	
105	100		
71	4.1	4.6	7.0#
51	28.5	28.2	42.2
120	24.3	18.4	27.6





#23

Nitrobenzene-d5

Concen: 72.963 ng

RT: 7.281 min Scan# 881

Delta R.T. -0.012 min

Lab File: BF133442.D

Acq: 18 May 2023 17:09

Instrument :

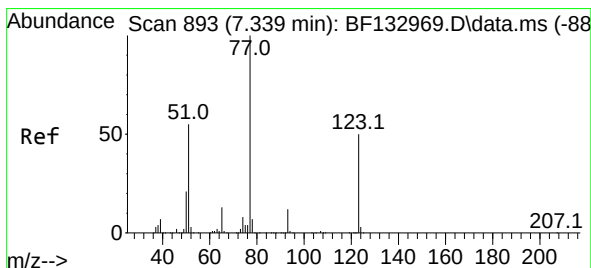
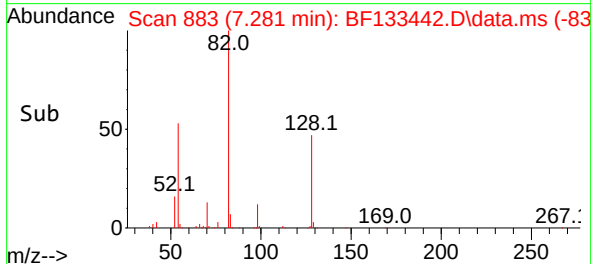
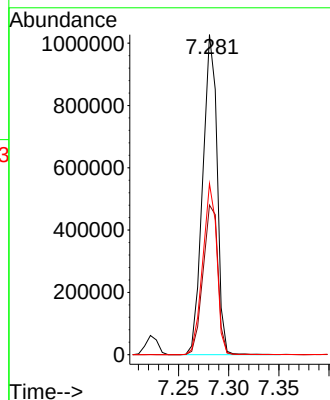
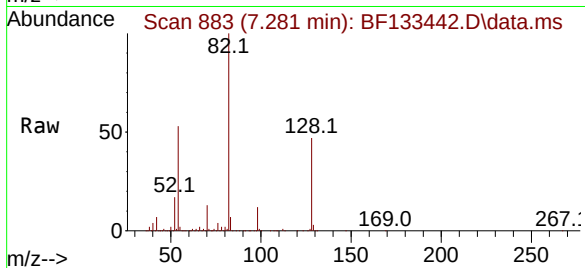
BNA_F

ClientSampleId :

SB-4MS

Tgt Ion: 82 Resp: 1031699

Ion	Ratio	Lower	Upper
82	100		
128	46.7	37.7	56.5
54	53.5	43.0	64.4



#24

Nitrobenzene

Concen: 45.533 ng

RT: 7.304 min Scan# 887

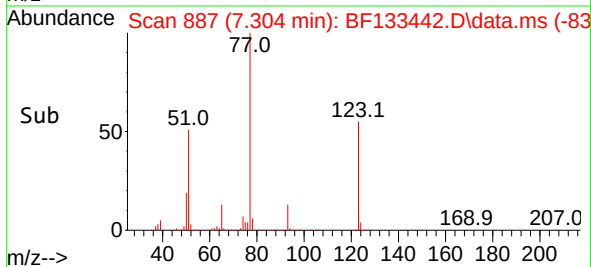
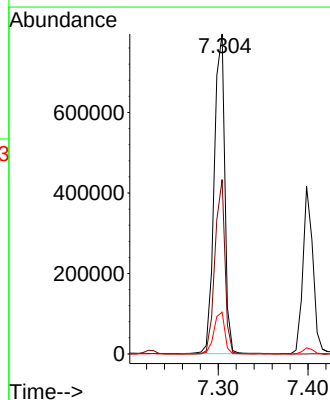
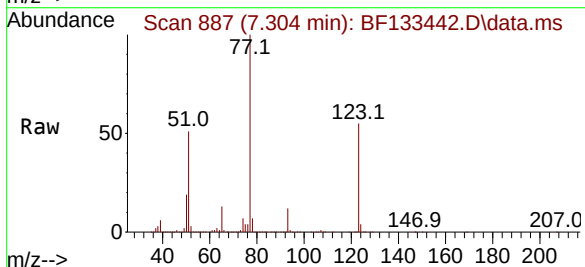
Delta R.T. -0.006 min

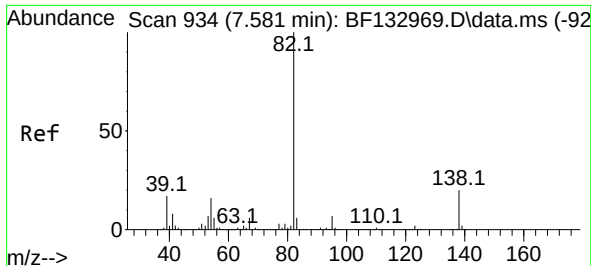
Lab File: BF133442.D

Acq: 18 May 2023 17:09

Tgt Ion: 77 Resp: 652420

Ion	Ratio	Lower	Upper
77	100		
123	54.5	39.9	59.9
65	13.1	10.7	16.1

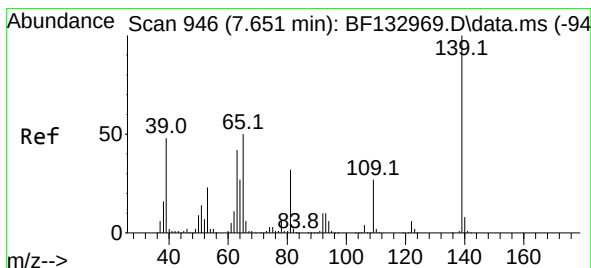
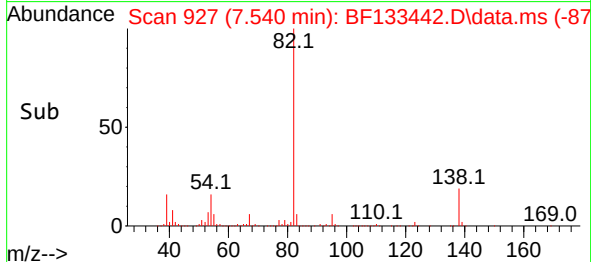
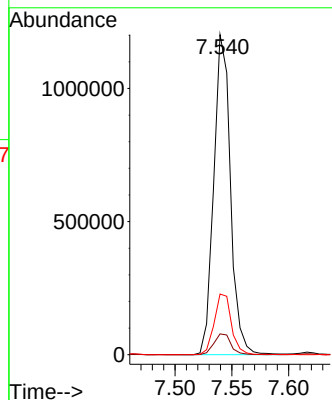
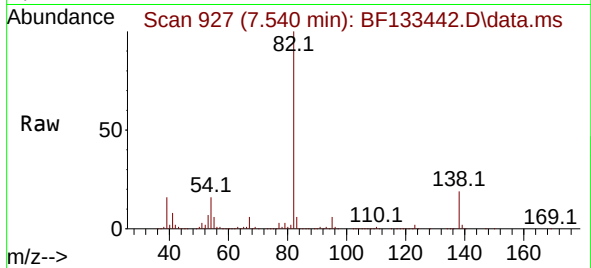




#25
Isophorone
Concen: 45.819 ng
RT: 7.540 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF133442.D
Acq: 18 May 2023 17:09

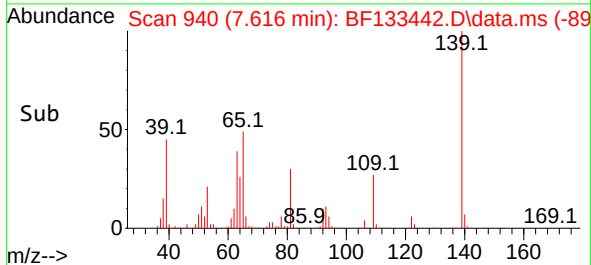
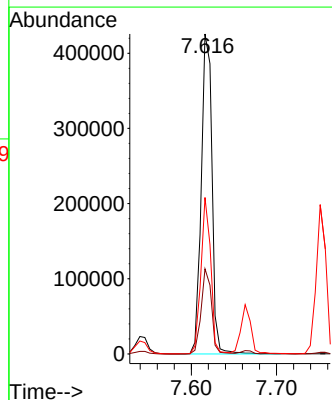
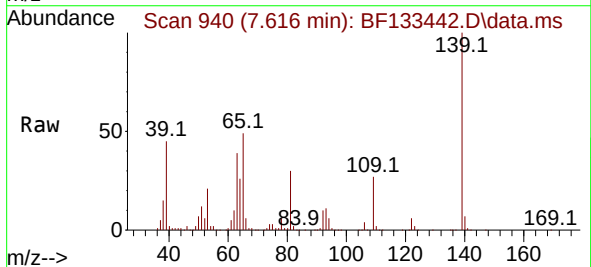
Instrument :
BNA_F
ClientSampleId :
SB-4MS

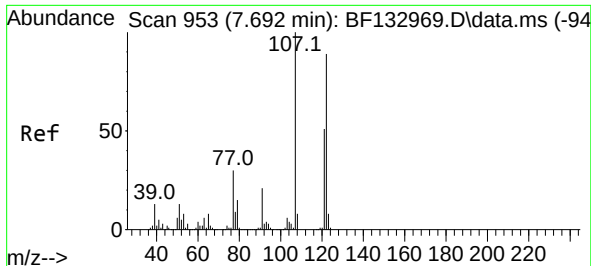
Tgt Ion: 82 Resp: 1230099
Ion Ratio Lower Upper
82 100
95 6.5 5.4 8.0
138 19.0 16.0 24.0



#26
2-Nitrophenol
Concen: 54.154 ng
RT: 7.616 min Scan# 940
Delta R.T. -0.012 min
Lab File: BF133442.D
Acq: 18 May 2023 17:09

Tgt Ion: 139 Resp: 374263
Ion Ratio Lower Upper
139 100
109 26.6 21.6 32.4
65 48.9 39.8 59.6





#27

2,4-Dimethylphenol

Concen: 50.057 ng

RT: 7.663 min Scan# 94

Delta R.T. -0.006 min

Lab File: BF133442.D

Acq: 18 May 2023 17:09

Instrument :

BNA_F

ClientSampleId :

SB-4MS

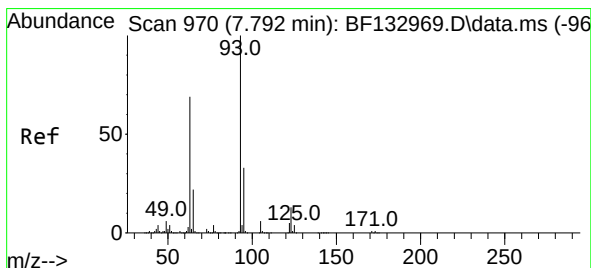
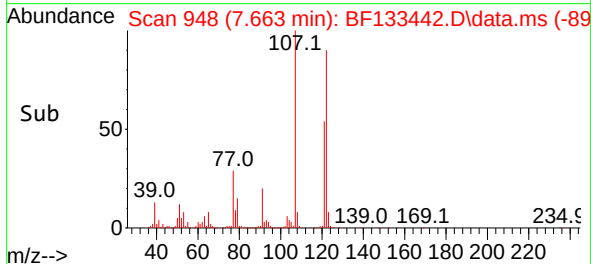
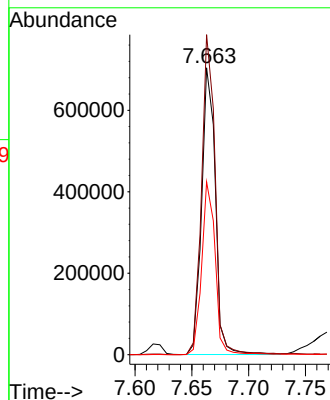
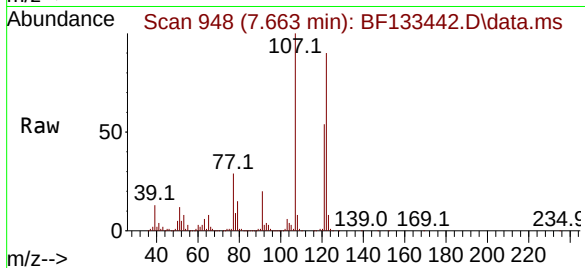
Tgt Ion:122 Resp: 593202

Ion Ratio Lower Upper

122 100

107 111.6 89.7 134.5

121 60.3 46.0 69.0



#28

bis(2-Chloroethoxy)methane

Concen: 47.700 ng

RT: 7.751 min Scan# 963

Delta R.T. -0.012 min

Lab File: BF133442.D

Acq: 18 May 2023 17:09

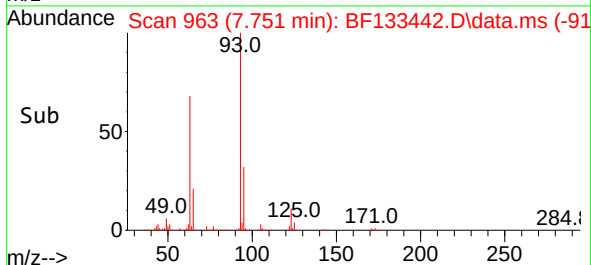
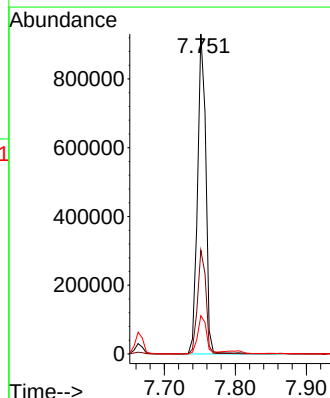
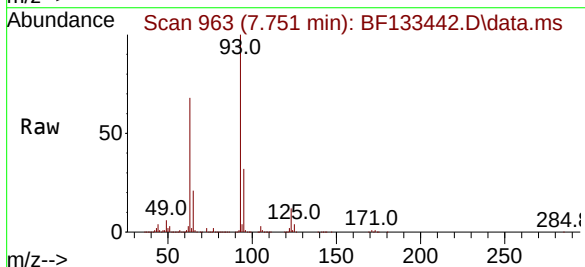
Tgt Ion: 93 Resp: 757600

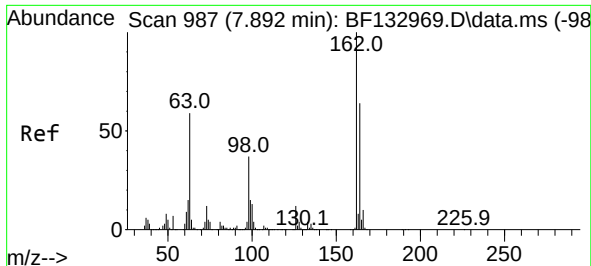
Ion Ratio Lower Upper

93 100

95 32.4 26.4 39.6

123 12.0 10.3 15.5





#29

2,4-Dichlorophenol

Concen: 51.103 ng

RT: 7.863 min Scan# 991

Delta R.T. -0.012 min

Lab File: BF133442.D

Acq: 18 May 2023 17:09

Instrument :

BNA_F

ClientSampleId :

SB-4MS

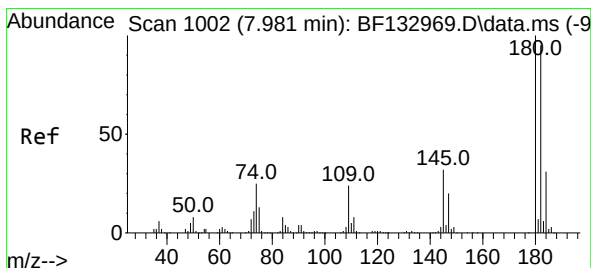
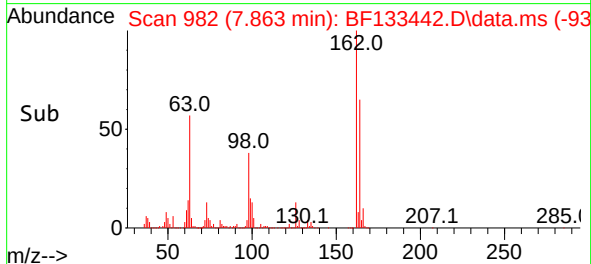
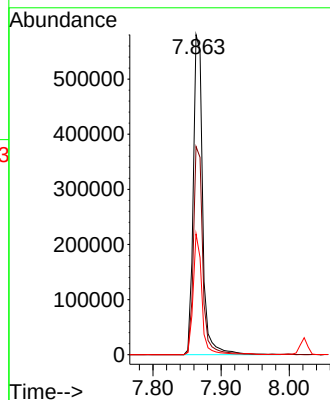
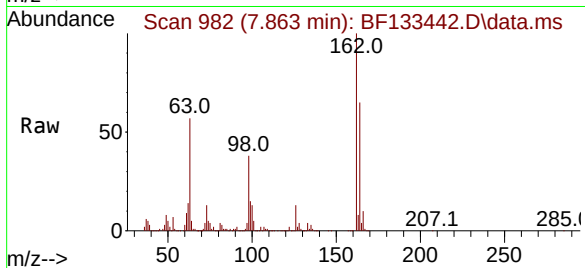
Tgt Ion:162 Resp: 551307

Ion Ratio Lower Upper

162 100

164 65.1 43.9 83.9

98 37.8 17.0 57.0



#30

1,2,4-Trichlorobenzene

Concen: 50.565 ng

RT: 7.945 min Scan# 996

Delta R.T. -0.006 min

Lab File: BF133442.D

Acq: 18 May 2023 17:09

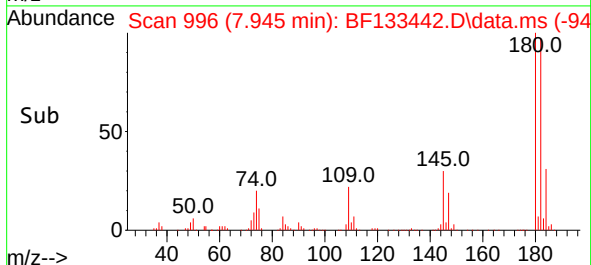
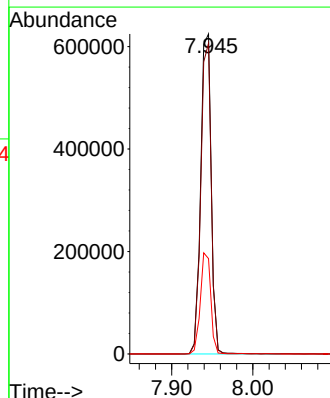
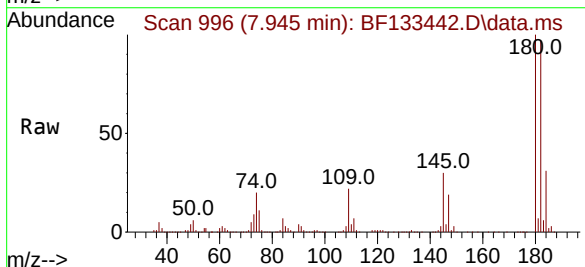
Tgt Ion:180 Resp: 565136

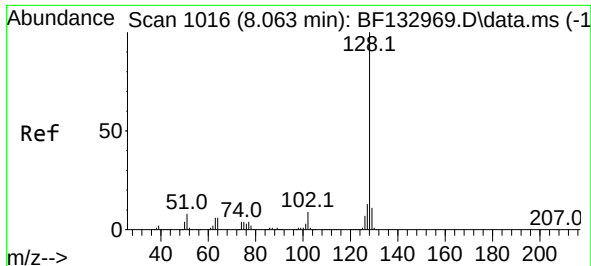
Ion Ratio Lower Upper

180 100

182 97.1 75.9 113.9

145 29.8 25.3 37.9

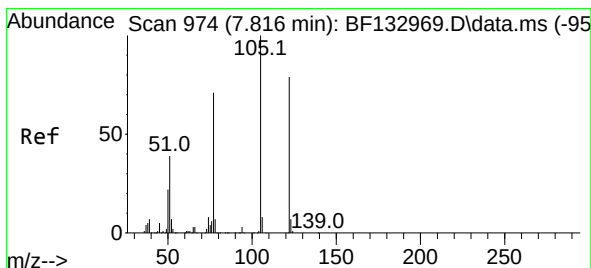
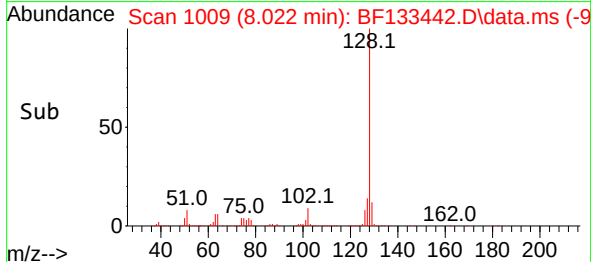
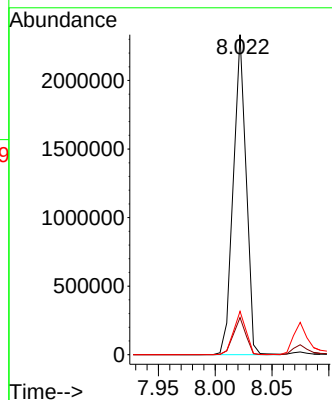
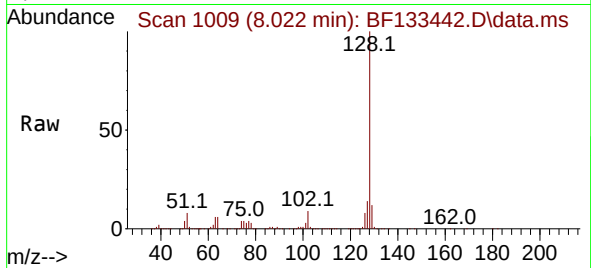




#31
Naphthalene
Concen: 47.829 ng
RT: 8.022 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF133442.D
Acq: 18 May 2023 17:09

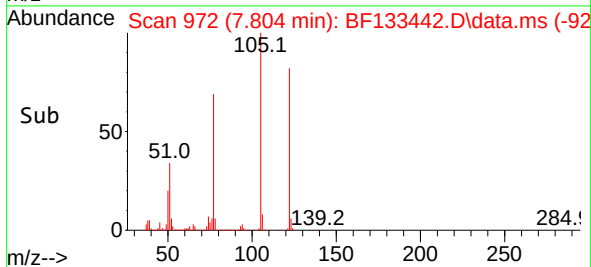
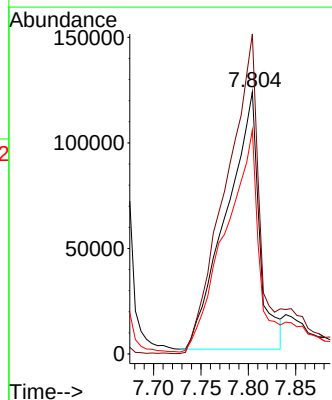
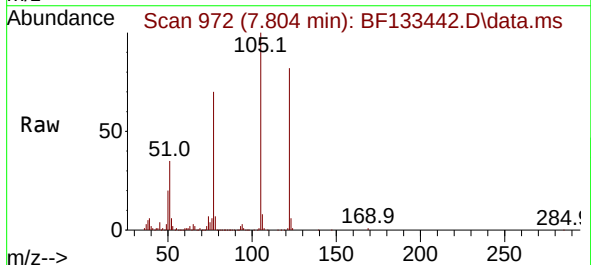
Instrument :
BNA_F
ClientSampleId :
SB-4MS

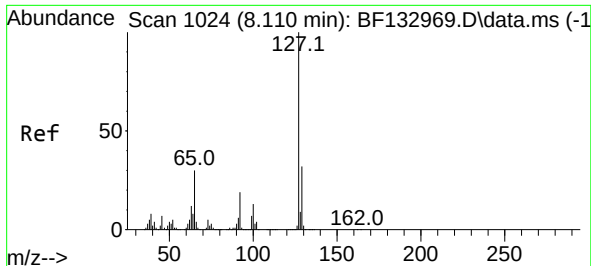
Tgt Ion:128 Resp: 1825138
Ion Ratio Lower Upper
128 100
129 11.6 8.8 13.2
127 13.6 10.7 16.1



#32
Benzoic acid
Concen: 40.291 ng
RT: 7.804 min Scan# 972
Delta R.T. 0.000 min
Lab File: BF133442.D
Acq: 18 May 2023 17:09

Tgt Ion:122 Resp: 294931
Ion Ratio Lower Upper
122 100
105 122.1 104.2 144.2
77 85.4 69.7 109.7

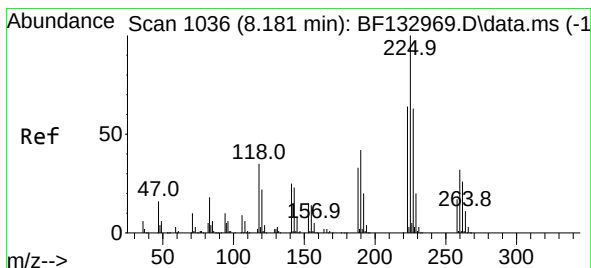
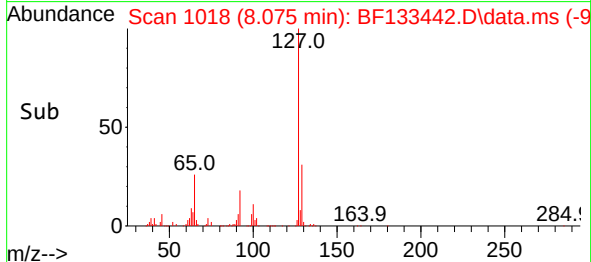
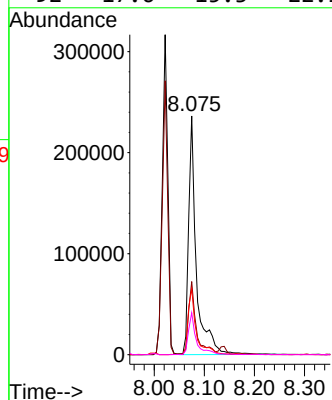
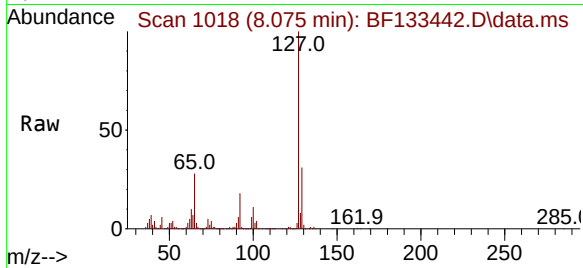




#33
4-Chloroaniline
Concen: 16.718 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF133442.D
Acq: 18 May 2023 17:09

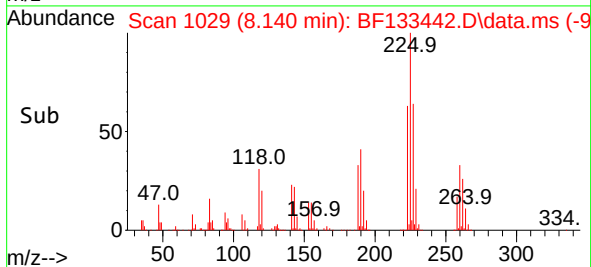
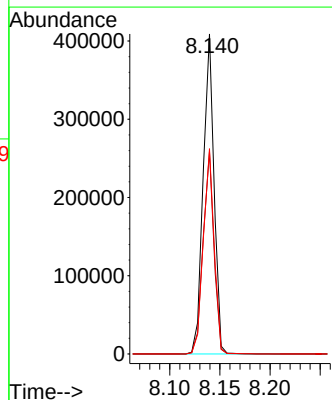
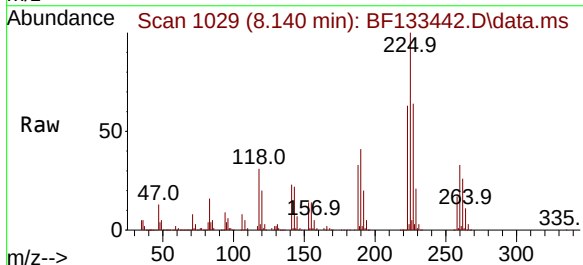
Instrument :
BNA_F
ClientSampleId :
SB-4MS

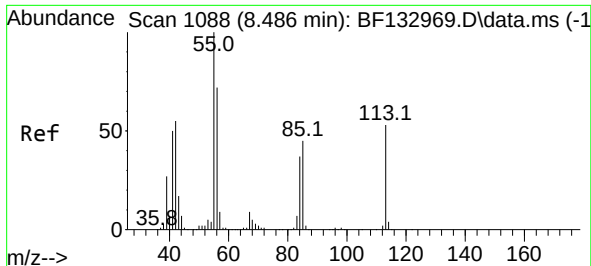
Tgt Ion:	127	Resp:	257751
Ion	Ratio	Lower	Upper
127	100		
129	30.6	25.8	38.8
65	27.6	23.6	35.4
92	17.6	15.3	22.9



#34
Hexachlorobutadiene
Concen: 49.923 ng
RT: 8.140 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF133442.D
Acq: 18 May 2023 17:09

Tgt Ion:	225	Resp:	309249
Ion	Ratio	Lower	Upper
225	100		
223	63.3	50.9	76.3
227	64.2	50.3	75.5

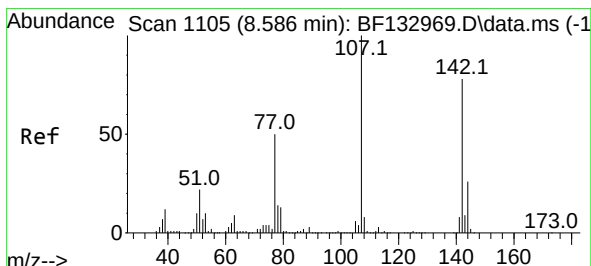
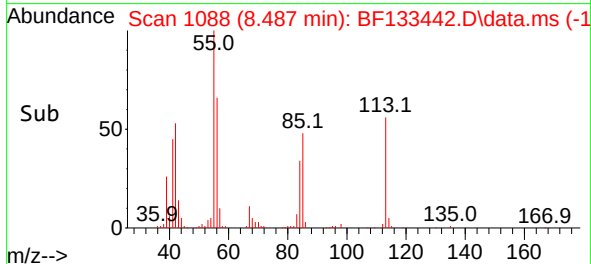
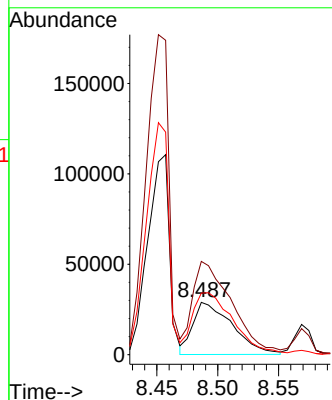
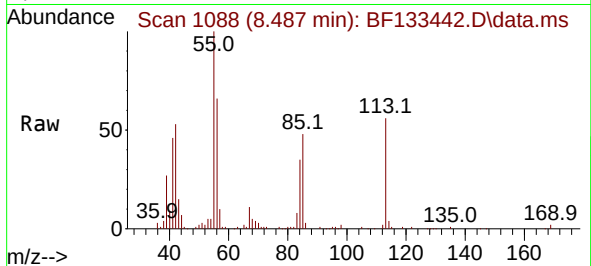




#35
 Caprolactam
 Concen: 17.993 ng
 RT: 8.487 min Scan# 1088
 Delta R.T. 0.024 min
 Lab File: BF133442.D
 Acq: 18 May 2023 17:09

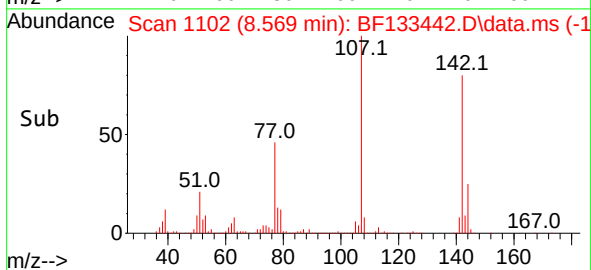
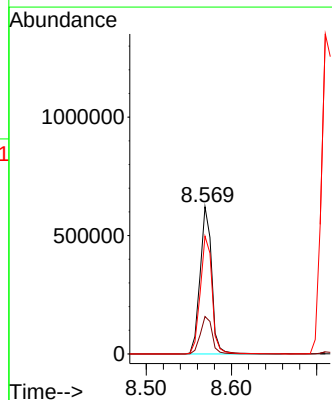
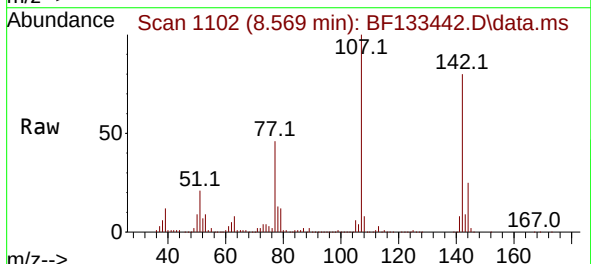
Instrument :
 BNA_F
 ClientSampleId :
 SB-4MS

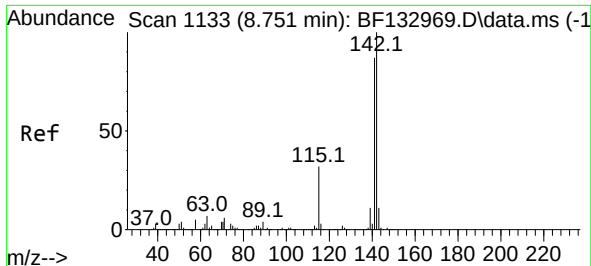
Tgt Ion:113 Resp: 65210
 Ion Ratio Lower Upper
 113 100
 55 178.1 167.1 207.1
 56 117.4 114.5 154.5



#36
 4-Chloro-3-methylphenol
 Concen: 50.685 ng
 RT: 8.569 min Scan# 1102
 Delta R.T. 0.000 min
 Lab File: BF133442.D
 Acq: 18 May 2023 17:09

Tgt Ion:107 Resp: 589644
 Ion Ratio Lower Upper
 107 100
 144 25.5 20.6 30.8
 142 80.1 62.8 94.2





#37

2-Methylnaphthalene

Concen: 46.840 ng

RT: 8.710 min Scan# 1126

Delta R.T. -0.012 min

Lab File: BF133442.D

Acq: 18 May 2023 17:09

Instrument :

BNA_F

ClientSampleId :

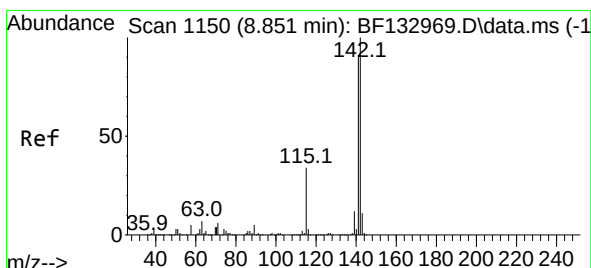
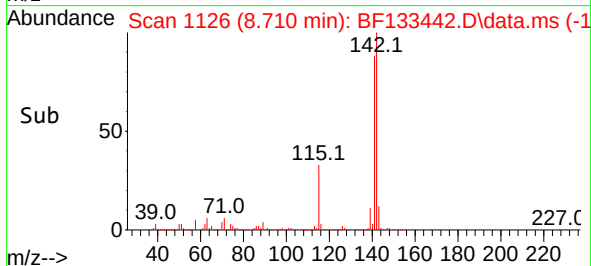
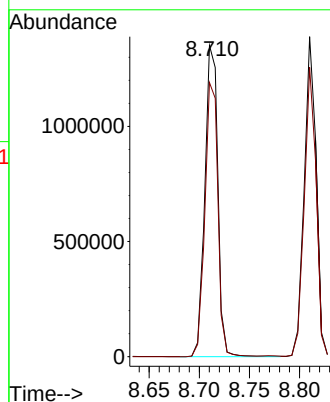
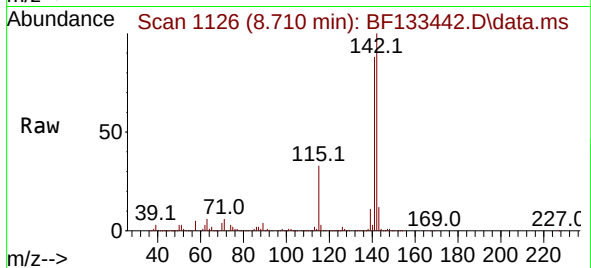
SB-4MS

Tgt Ion:142 Resp: 1221985

Ion Ratio Lower Upper

142 100

141 88.1 69.4 104.0



#38

1-Methylnaphthalene

Concen: 46.790 ng

RT: 8.810 min Scan# 1143

Delta R.T. -0.012 min

Lab File: BF133442.D

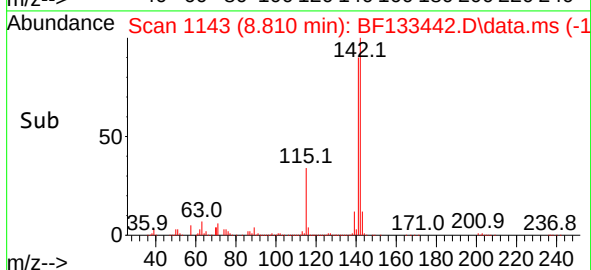
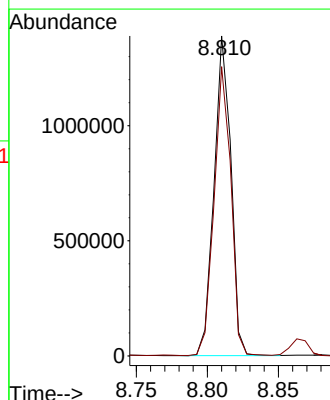
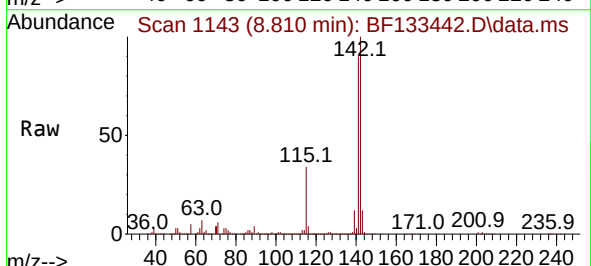
Acq: 18 May 2023 17:09

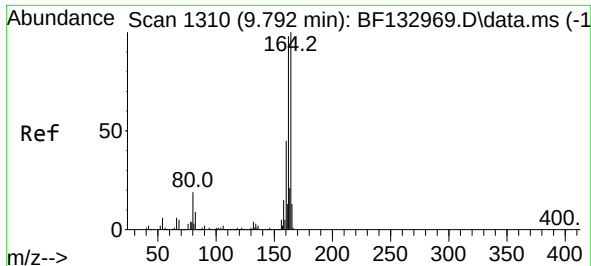
Tgt Ion:142 Resp: 1141943

Ion Ratio Lower Upper

142 100

141 90.4 73.1 109.7

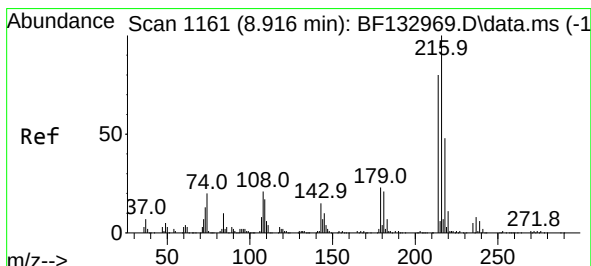
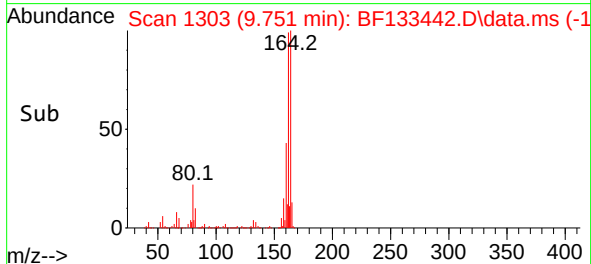
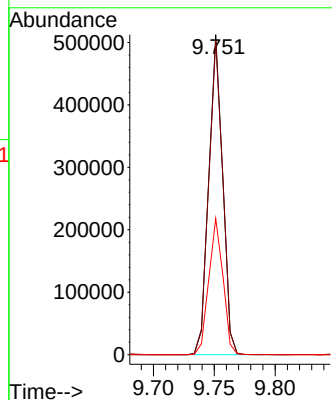
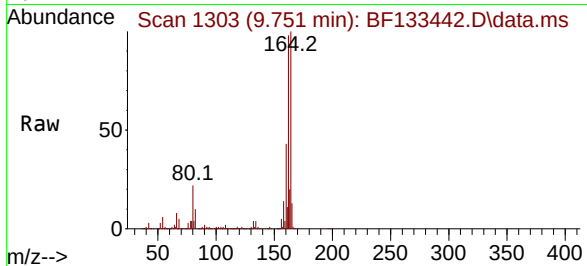




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.751 min Scan# 1155
Delta R.T. -0.012 min
Lab File: BF133442.D
Acq: 18 May 2023 17:09

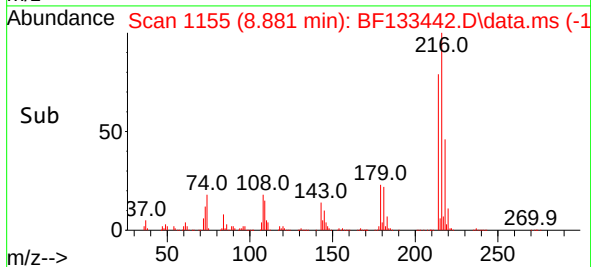
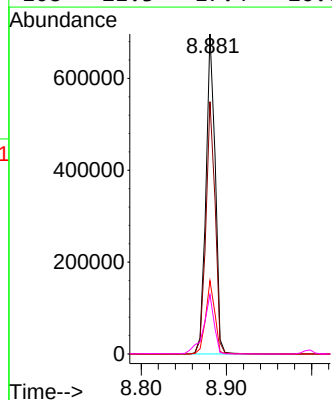
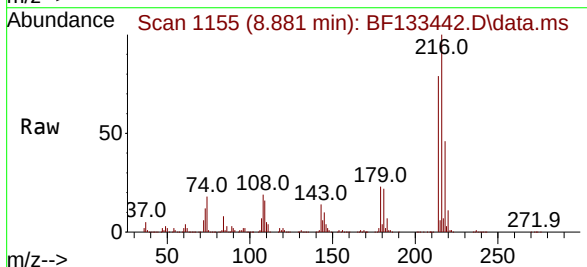
Instrument :
BNA_F
ClientSampleId :
SB-4MS

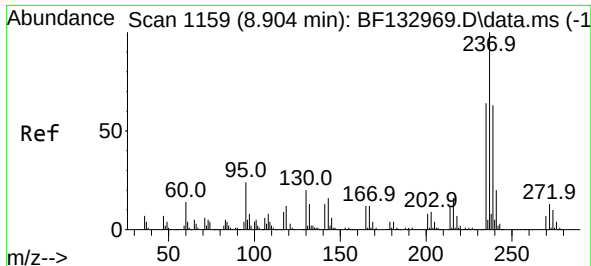
Tgt Ion:164 Resp: 404845
Ion Ratio Lower Upper
164 100
162 98.1 78.7 118.1
160 42.5 35.8 53.6



#40
1,2,4,5-Tetrachlorobenzene
Concen: 48.166 ng
RT: 8.881 min Scan# 1155
Delta R.T. -0.006 min
Lab File: BF133442.D
Acq: 18 May 2023 17:09

Tgt Ion:216 Resp: 524294
Ion Ratio Lower Upper
216 100
214 78.8 63.5 95.3
179 22.7 17.4 26.2
108 21.3 17.4 26.0

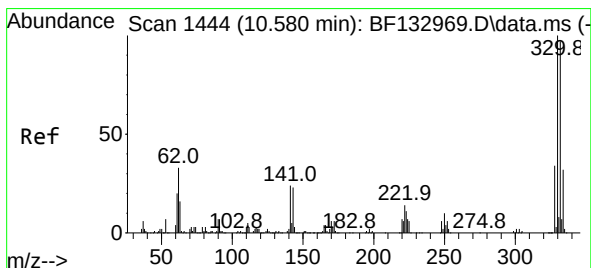
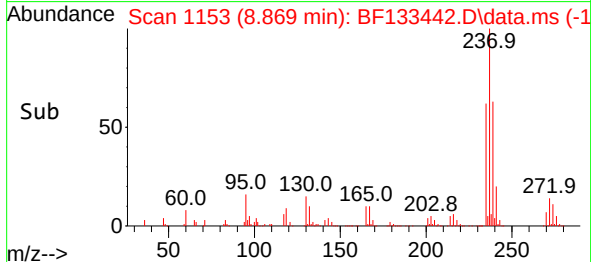
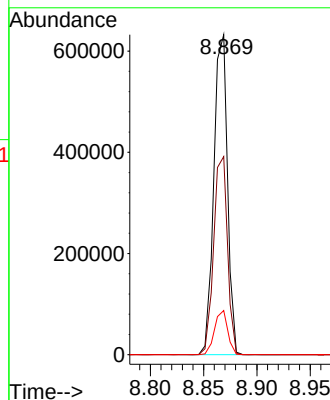
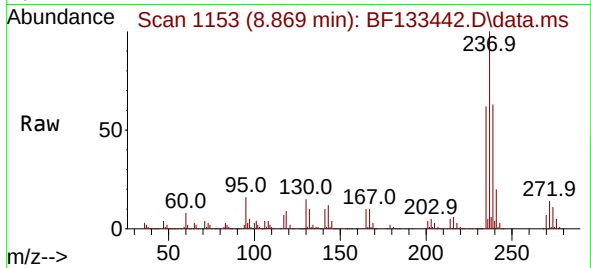




#41
Hexachlorocyclopentadiene
Concen: 88.595 ng
RT: 8.869 min Scan# 1153
Delta R.T. -0.006 min
Lab File: BF133442.D
Acq: 18 May 2023 17:09

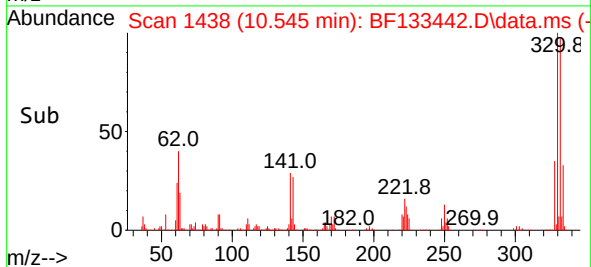
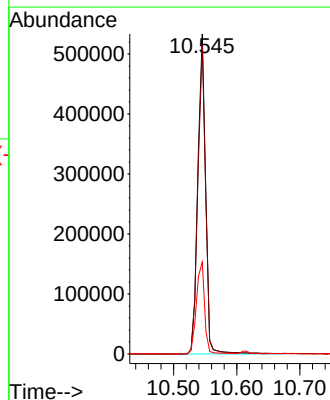
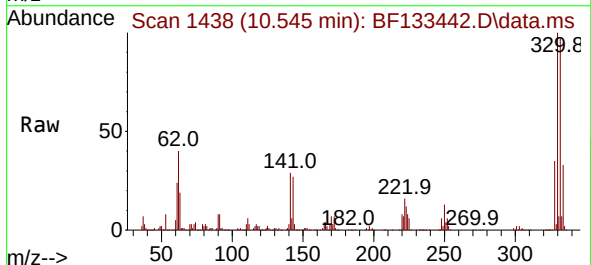
Instrument :
BNA_F
ClientSampleId :
SB-4MS

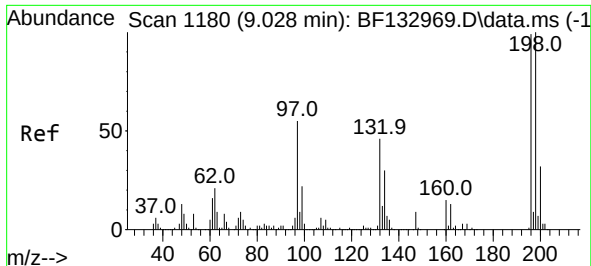
Tgt Ion:237 Resp: 562425
Ion Ratio Lower Upper
237 100
235 61.9 43.5 83.5
272 13.8 0.0 32.7



#42
2,4,6-Tribromophenol
Concen: 112.302 ng
RT: 10.545 min Scan# 1438
Delta R.T. -0.006 min
Lab File: BF133442.D
Acq: 18 May 2023 17:09

Tgt Ion:330 Resp: 457236
Ion Ratio Lower Upper
330 100
332 96.4 77.1 115.7
141 30.2 25.8 38.8





#43

2,4,6-Trichlorophenol

Concen: 48.236 ng

RT: 8.998 min Scan# 1175

Delta R.T. -0.006 min

Lab File: BF133442.D

Acq: 18 May 2023 17:09

Instrument :

BNA_F

ClientSampleId :

SB-4MS

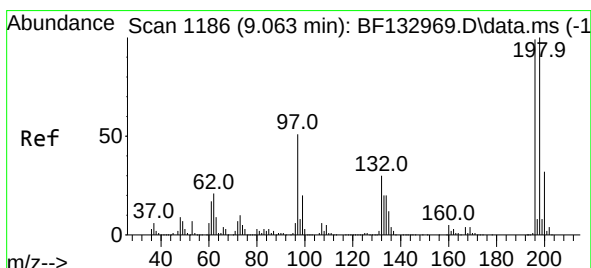
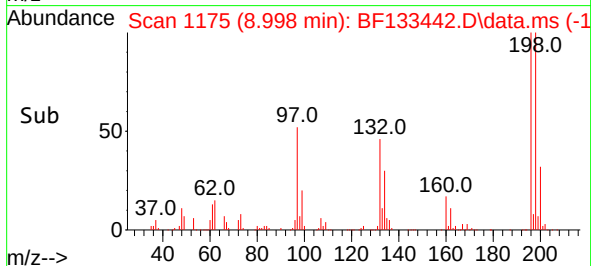
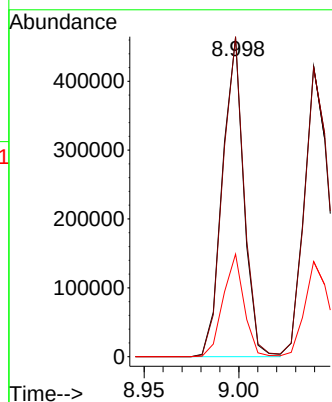
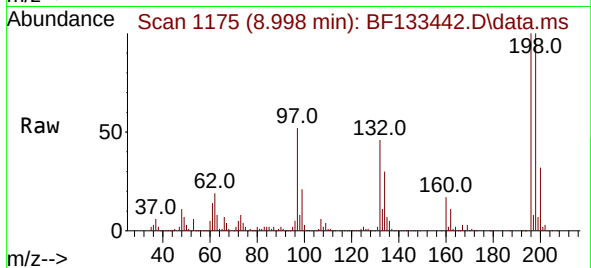
Tgt Ion:196 Resp: 363112

Ion Ratio Lower Upper

196 100

198 100.3 81.0 121.6

200 32.1 26.1 39.1



#44

2,4,5-Trichlorophenol

Concen: 45.469 ng

RT: 9.039 min Scan# 1182

Delta R.T. -0.006 min

Lab File: BF133442.D

Acq: 18 May 2023 17:09

Tgt Ion:196 Resp: 395862

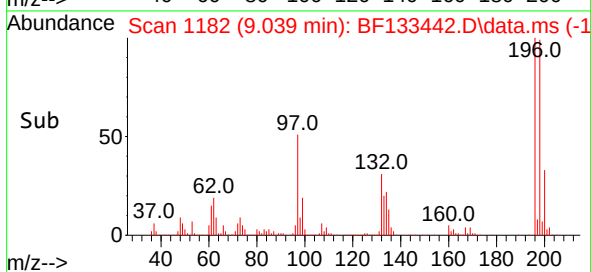
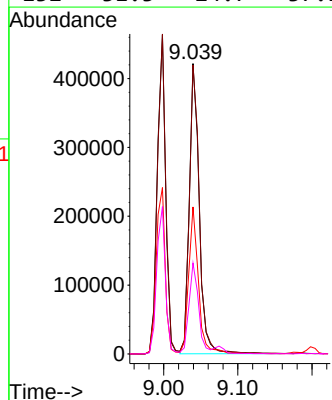
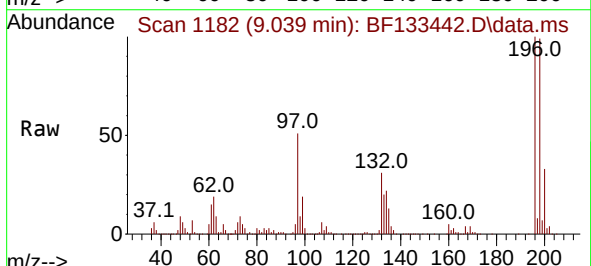
Ion Ratio Lower Upper

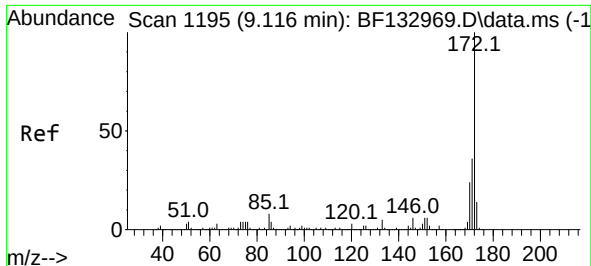
196 100

198 99.5 80.9 121.3

97 50.6 41.3 61.9

132 31.3 24.7 37.1

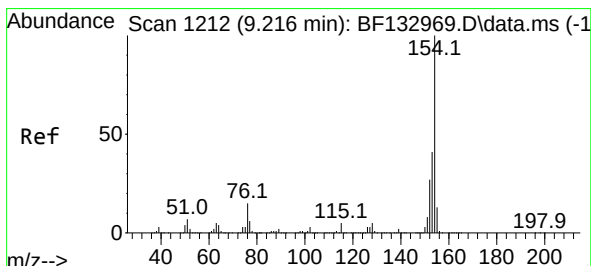
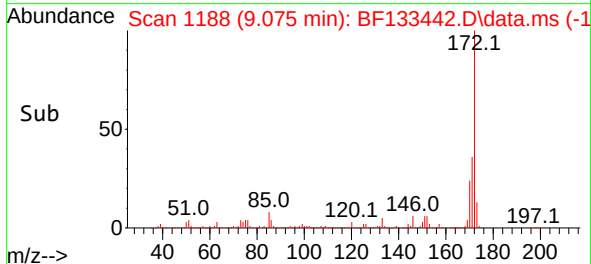
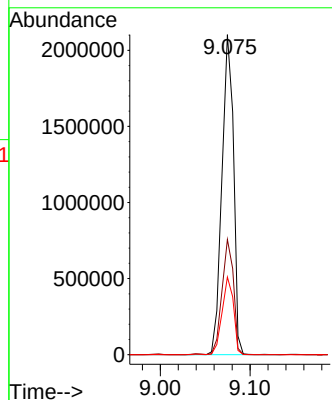
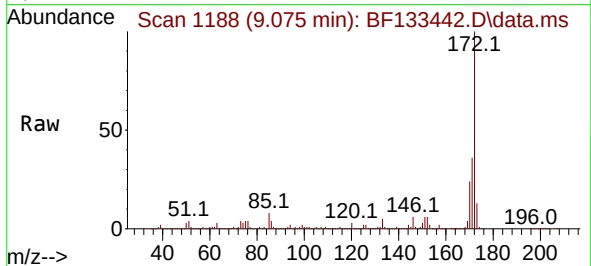




#45
2-Fluorobiphenyl
Concen: 77.993 ng
RT: 9.075 min Scan# 1195
Delta R.T. -0.012 min
Lab File: BF133442.D
Acq: 18 May 2023 17:09

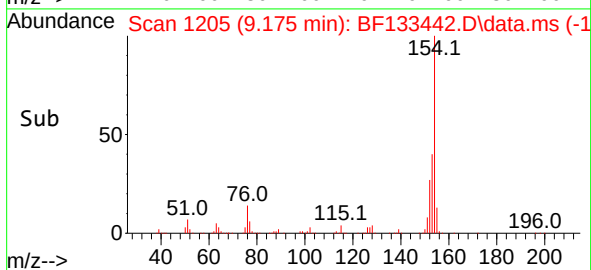
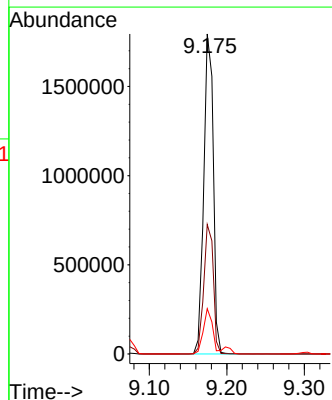
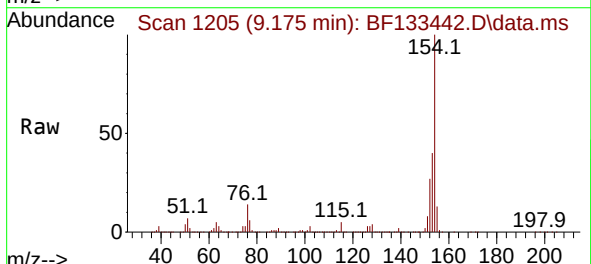
Instrument :
BNA_F
ClientSampleId :
SB-4MS

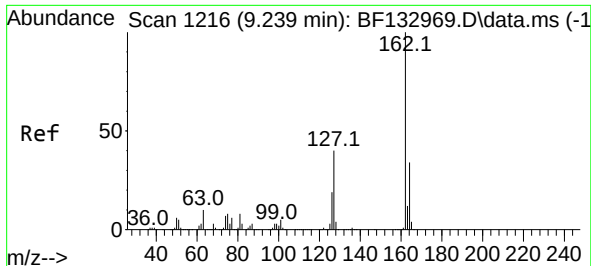
Tgt Ion:172 Resp: 1887333
Ion Ratio Lower Upper
172 100
171 36.0 28.8 43.2
170 24.3 19.4 29.2



#46
1,1'-Biphenyl
Concen: 47.759 ng
RT: 9.175 min Scan# 1205
Delta R.T. -0.012 min
Lab File: BF133442.D
Acq: 18 May 2023 17:09

Tgt Ion:154 Resp: 1533168
Ion Ratio Lower Upper
154 100
153 40.5 21.0 61.0
76 14.1 0.0 34.5





#47

2-Chloronaphthalene

Concen: 48.654 ng

RT: 9.198 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF133442.D

Acq: 18 May 2023 17:09

Instrument :

BNA_F

ClientSampleId :

SB-4MS

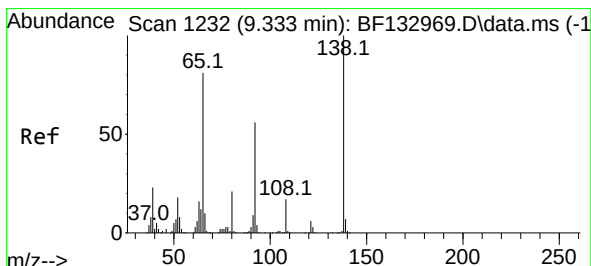
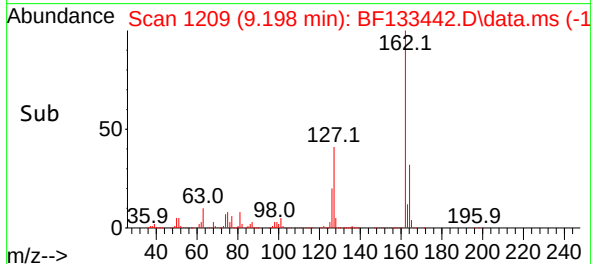
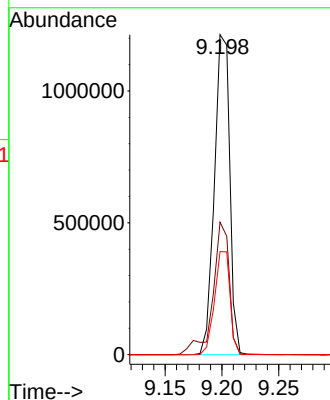
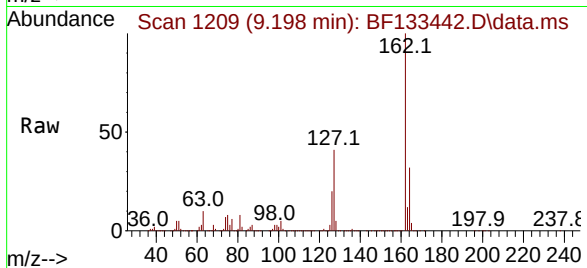
Tgt Ion:162 Resp: 1143218

Ion Ratio Lower Upper

162 100

127 41.4 32.3 48.5

164 32.2 26.8 40.2



#48

2-Nitroaniline

Concen: 46.279 ng

RT: 9.298 min Scan# 1226

Delta R.T. -0.012 min

Lab File: BF133442.D

Acq: 18 May 2023 17:09

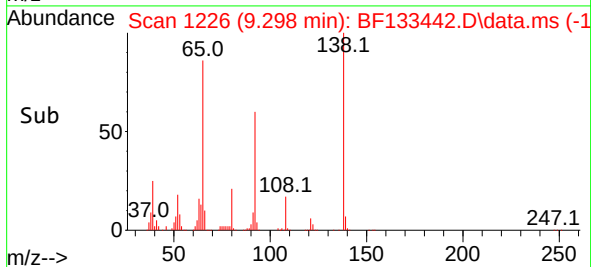
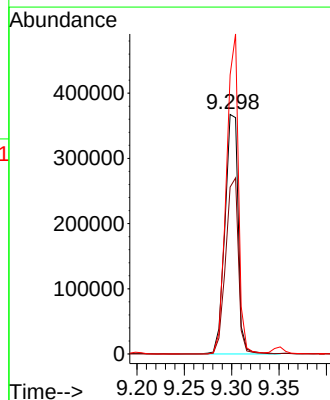
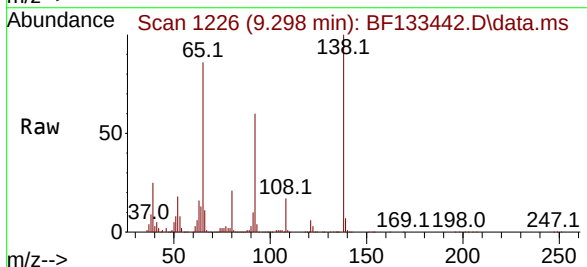
Tgt Ion: 65 Resp: 359382

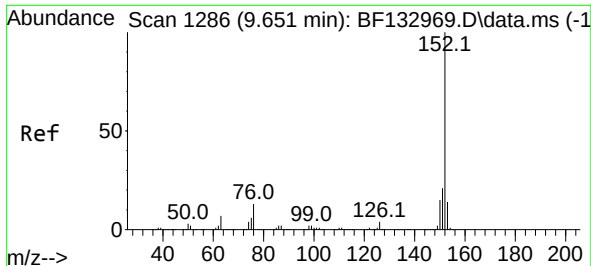
Ion Ratio Lower Upper

65 100

92 69.6 55.4 83.0

138 116.5 98.2 147.2





#49

Acenaphthylene

Concen: 46.918 ng

RT: 9.616 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133442.D

Acq: 18 May 2023 17:09

Instrument :

BNA_F

ClientSampleId :

SB-4MS

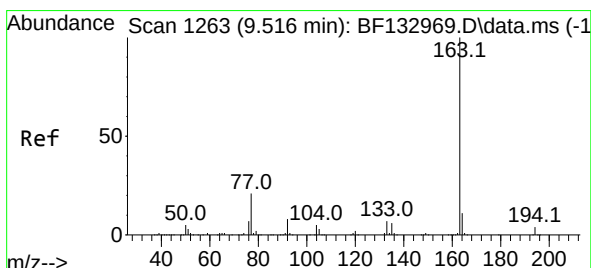
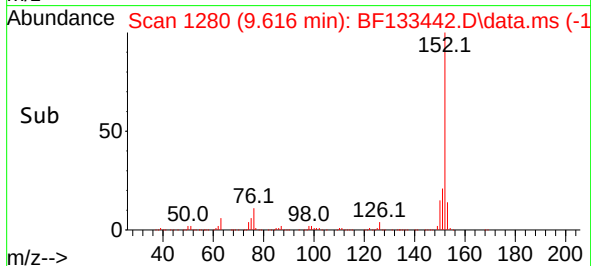
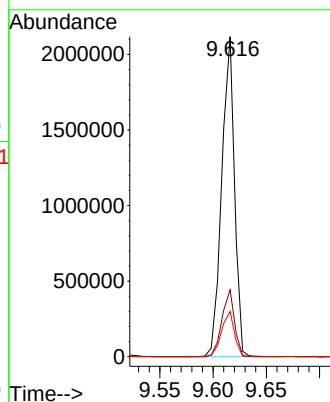
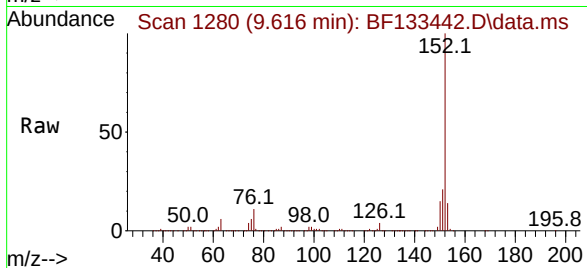
Tgt Ion:152 Resp: 1761510

Ion Ratio Lower Upper

152 100

151 20.9 16.6 24.8

153 14.1 11.5 17.3



#50

Dimethylphthalate

Concen: 49.341 ng

RT: 9.481 min Scan# 1257

Delta R.T. -0.006 min

Lab File: BF133442.D

Acq: 18 May 2023 17:09

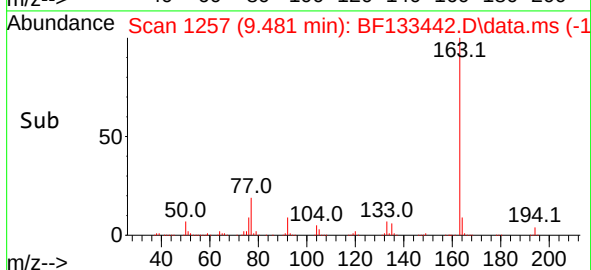
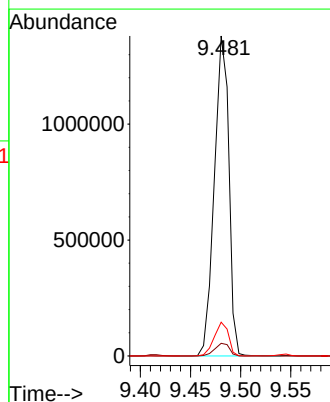
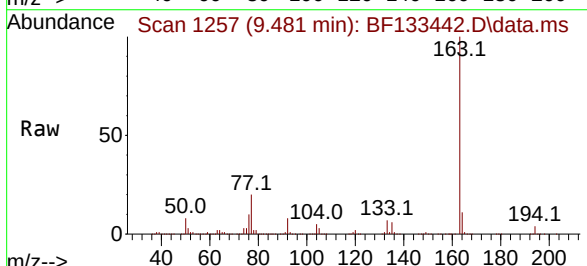
Tgt Ion:163 Resp: 1392859

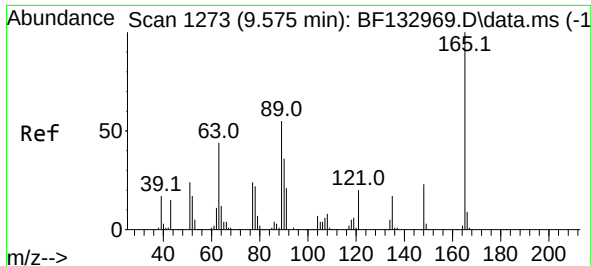
Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

164 10.6 8.5 12.7

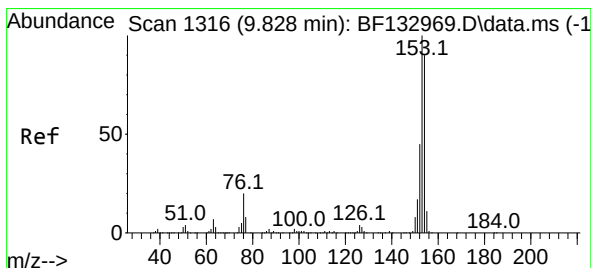
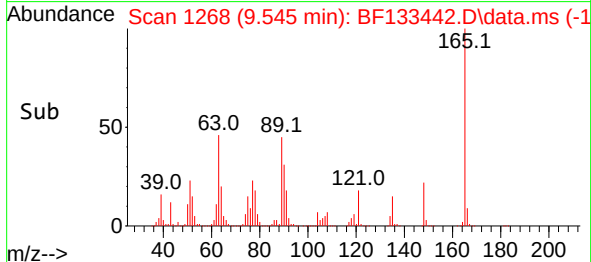
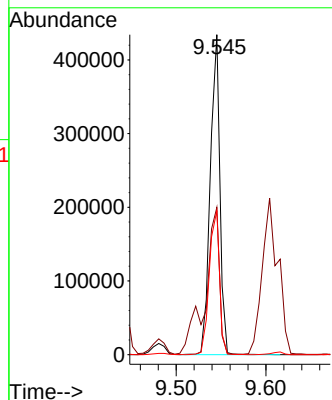
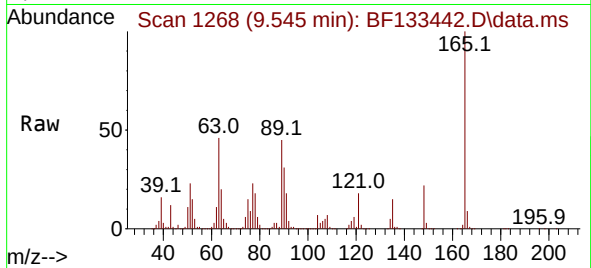




#51
2,6-Dinitrotoluene
Concen: 50.821 ng
RT: 9.545 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133442.D
Acq: 18 May 2023 17:09

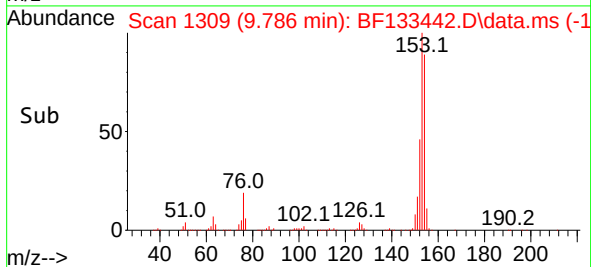
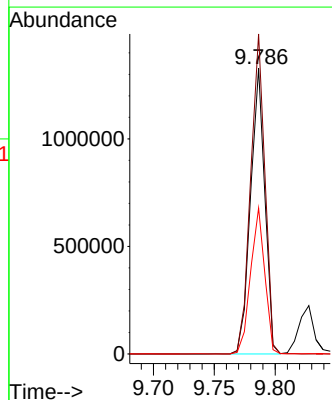
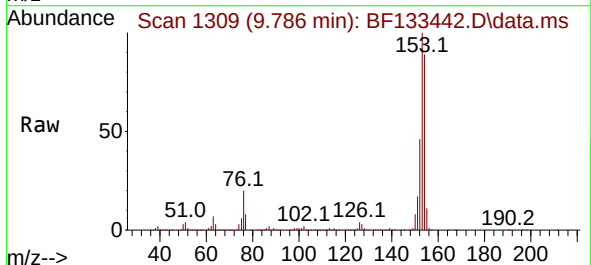
Instrument :
BNA_F
ClientSampleId :
SB-4MS

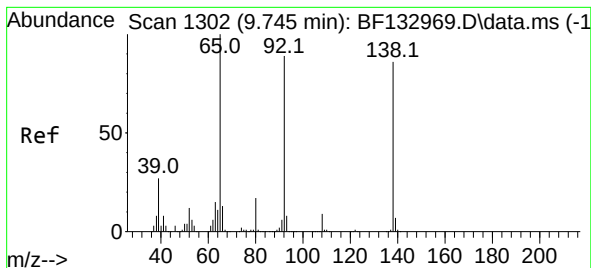
Tgt Ion:165 Resp: 322900
Ion Ratio Lower Upper
165 100
63 46.0 45.9 68.9
89 45.0 44.0 66.0



#52
Acenaphthene
Concen: 43.118 ng
RT: 9.786 min Scan# 1309
Delta R.T. -0.006 min
Lab File: BF133442.D
Acq: 18 May 2023 17:09

Tgt Ion:154 Resp: 1084229
Ion Ratio Lower Upper
154 100
153 112.1 89.0 133.6
152 51.1 40.4 60.6





#53

3-Nitroaniline

Concen: 26.177 ng

RT: 9.710 min Scan# 1302

Delta R.T. -0.012 min

Lab File: BF133442.D

Acq: 18 May 2023 17:09

Instrument :

BNA_F

ClientSampleId :

SB-4MS

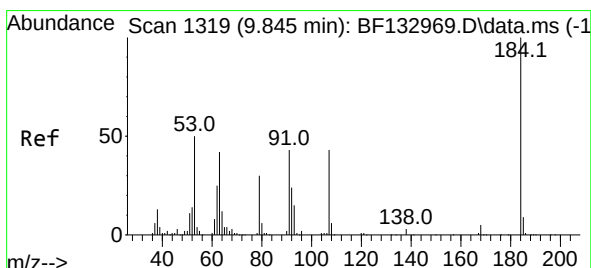
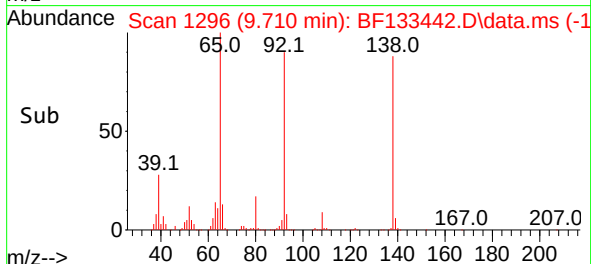
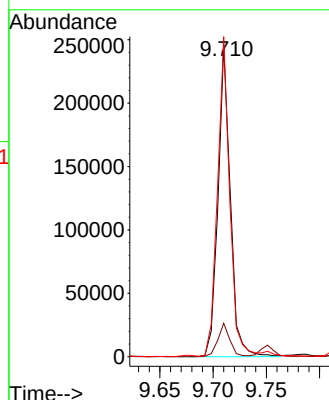
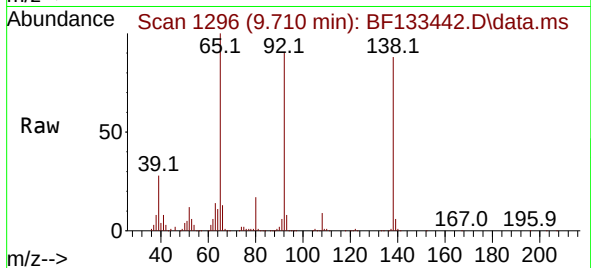
Tgt Ion:138 Resp: 197758

Ion Ratio Lower Upper

138 100

108 10.7 8.0 12.0

92 103.0 83.6 125.4



#54

2,4-Dinitrophenol

Concen: 108.898 ng

RT: 9.828 min Scan# 1316

Delta R.T. -0.006 min

Lab File: BF133442.D

Acq: 18 May 2023 17:09

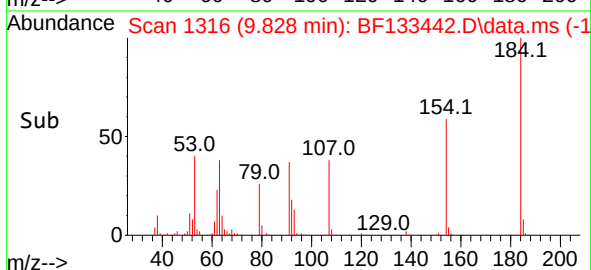
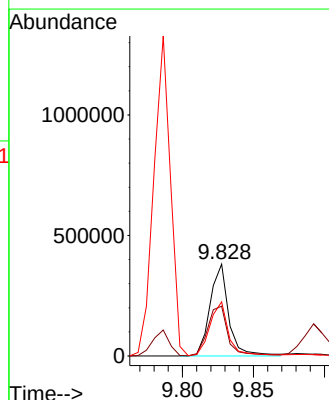
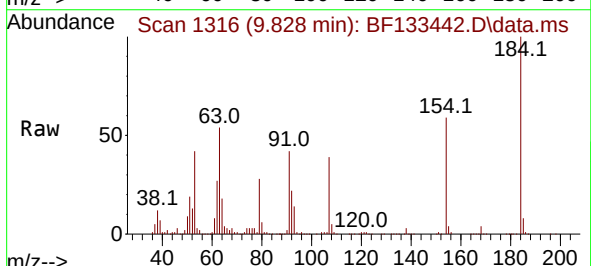
Tgt Ion:184 Resp: 347780

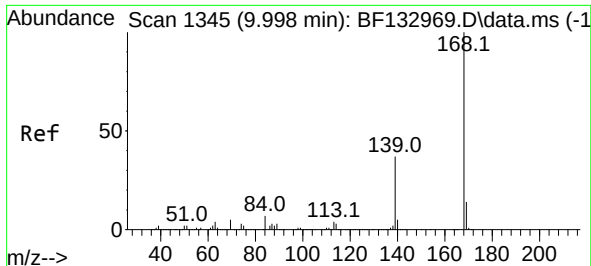
Ion Ratio Lower Upper

184 100

63 54.1 49.8 74.8

154 58.9 49.5 74.3

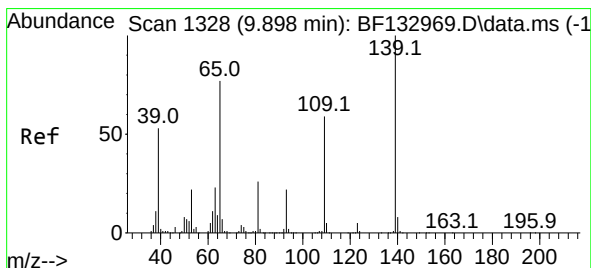
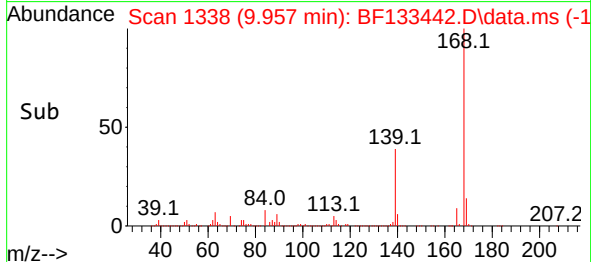
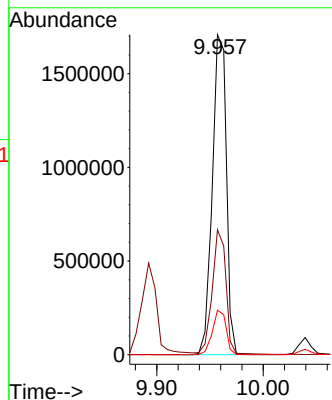
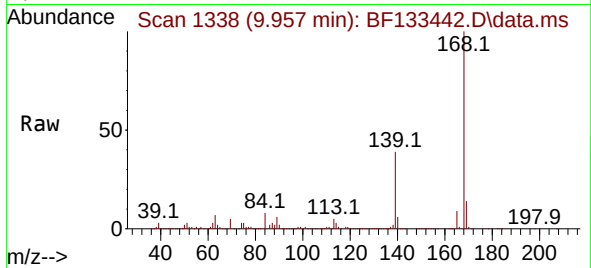




#55
Dibenzofuran
Concen: 45.693 ng
RT: 9.957 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF133442.D
Acq: 18 May 2023 17:09

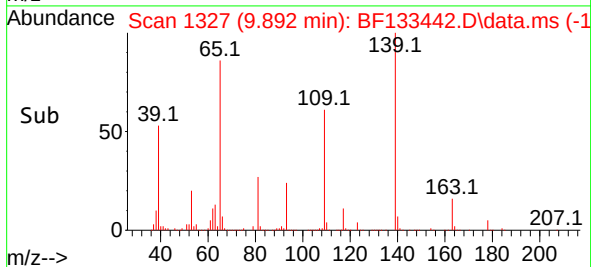
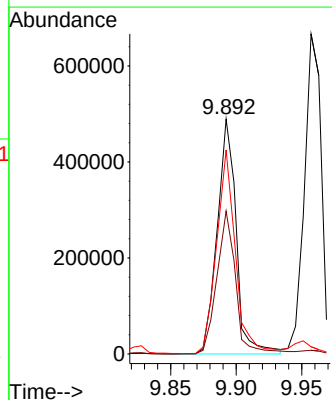
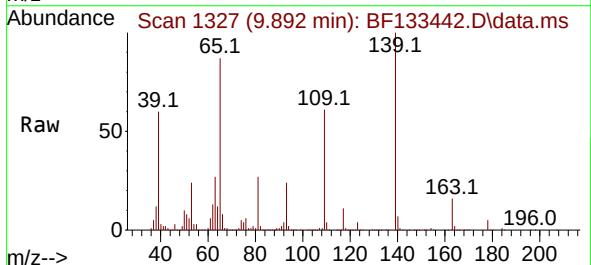
Instrument :
BNA_F
ClientSampleId :
SB-4MS

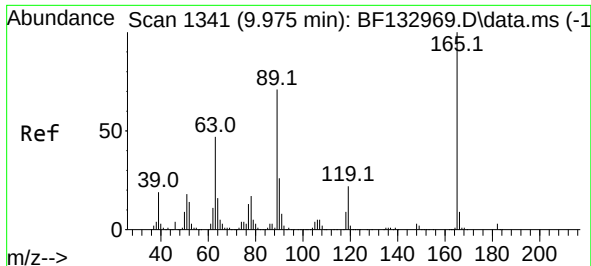
Tgt Ion:168 Resp: 1567292
Ion Ratio Lower Upper
168 100
139 39.0 29.8 44.8
169 13.9 10.8 16.2



#56
4-Nitrophenol
Concen: 83.987 ng
RT: 9.892 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF133442.D
Acq: 18 May 2023 17:09

Tgt Ion:139 Resp: 491425
Ion Ratio Lower Upper
139 100
109 60.8 39.4 79.4
65 86.9 57.5 97.5





#57

2,4-Dinitrotoluene

Concen: 49.725 ng

RT: 9.951 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133442.D

Acq: 18 May 2023 17:09

Instrument :

BNA_F

ClientSampleId :

SB-4MS

Tgt Ion:165 Resp: 402908

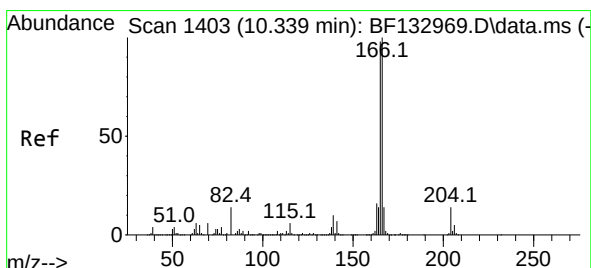
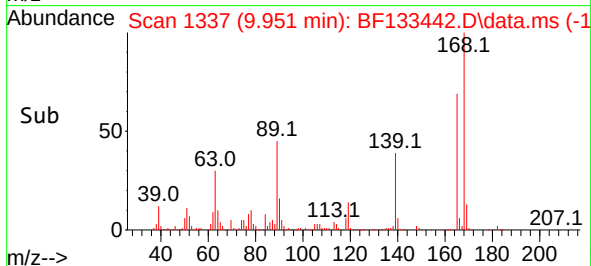
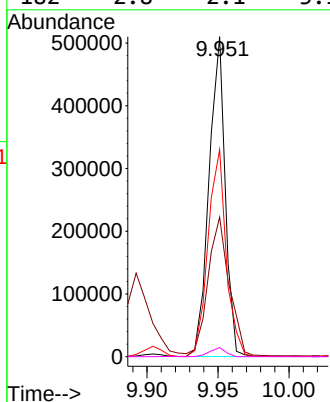
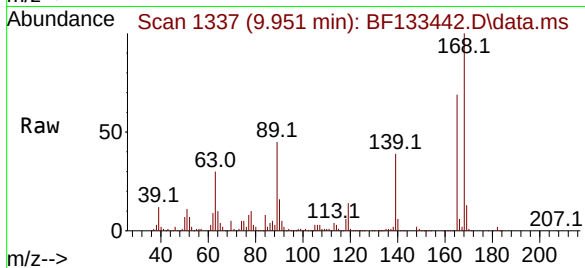
Ion Ratio Lower Upper

165 100

63 43.6 37.7 56.5

89 64.7 57.0 85.4

182 2.8 2.1 3.1



#58

Fluorene

Concen: 47.428 ng

RT: 10.304 min Scan# 1397

Delta R.T. -0.006 min

Lab File: BF133442.D

Acq: 18 May 2023 17:09

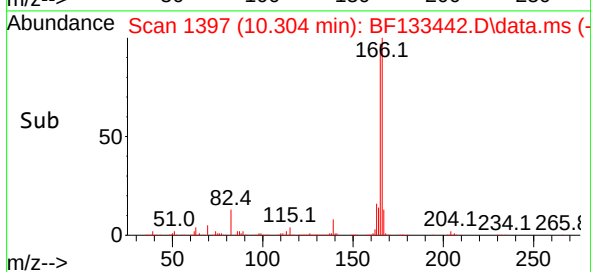
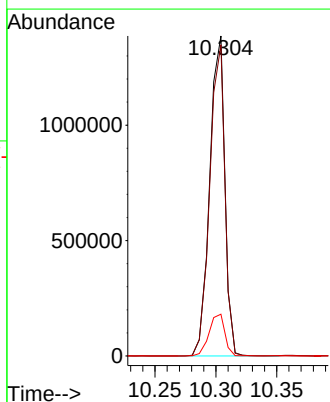
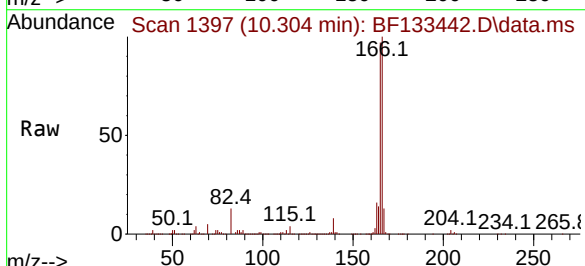
Tgt Ion:166 Resp: 1191867

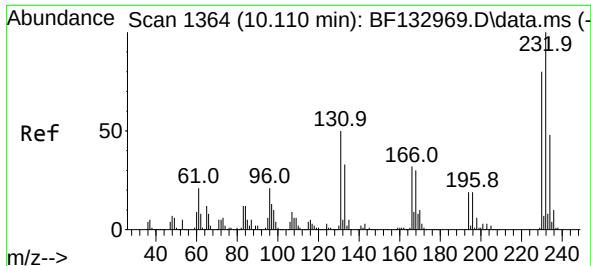
Ion Ratio Lower Upper

166 100

165 97.2 78.6 117.8

167 13.1 11.0 16.4





#59

2,3,4,6-Tetrachlorophenol

Concen: 48.137 ng

RT: 10.081 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF133442.D

Acq: 18 May 2023 17:09

Instrument :

BNA_F

ClientSampleId :

SB-4MS

Tgt Ion:232 Resp: 324903

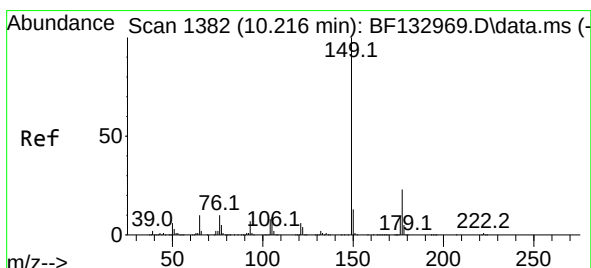
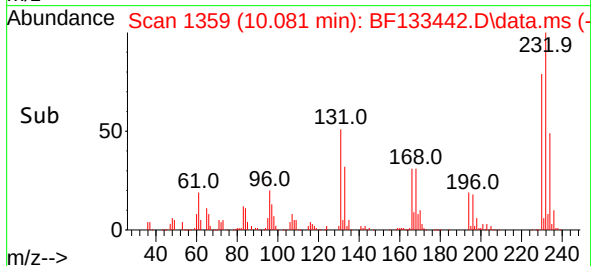
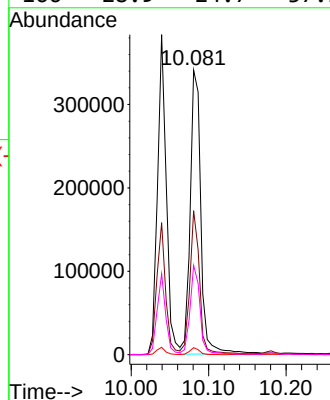
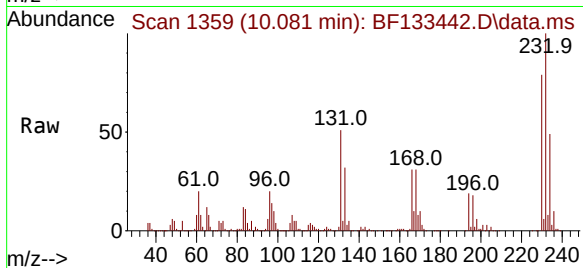
Ion Ratio Lower Upper

232 100

131 44.9 38.0 57.0

130 2.3 1.8 2.8

166 28.9 24.7 37.1



#60

Diethylphthalate

Concen: 48.950 ng

RT: 10.181 min Scan# 1376

Delta R.T. -0.006 min

Lab File: BF133442.D

Acq: 18 May 2023 17:09

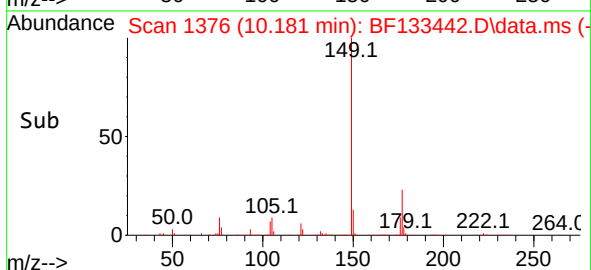
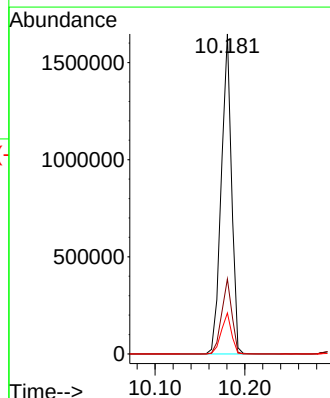
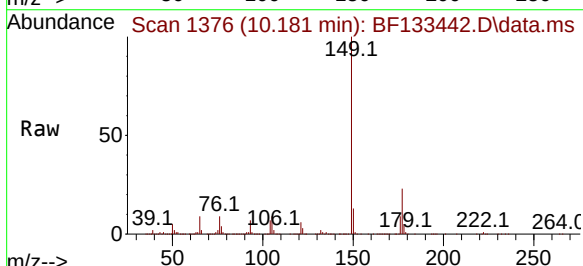
Tgt Ion:149 Resp: 1305200

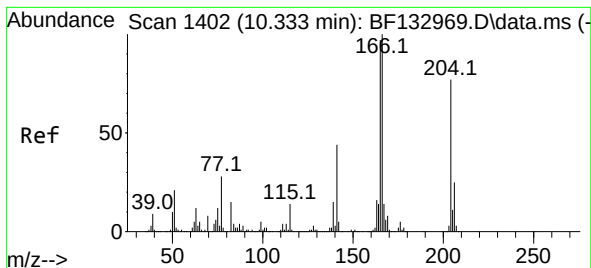
Ion Ratio Lower Upper

149 100

177 23.4 18.2 27.4

150 12.8 10.2 15.4

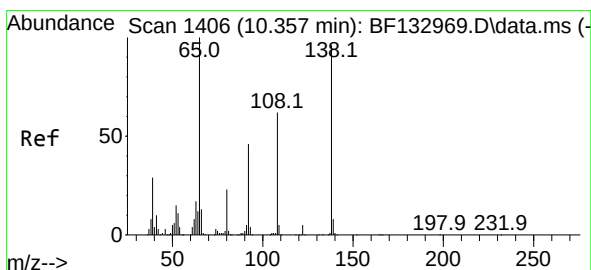
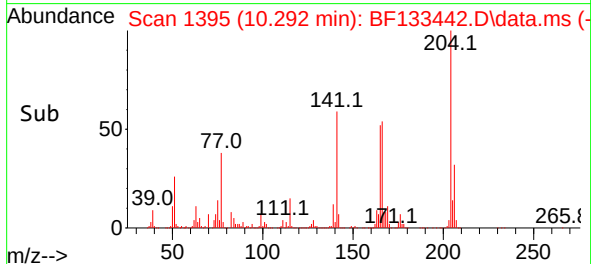
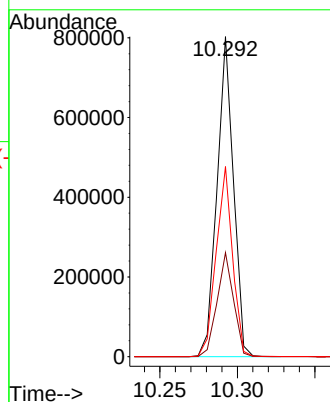
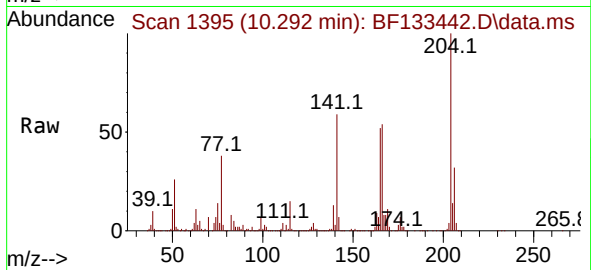




#61
4-Chlorophenyl-phenylether
Concen: 48.291 ng
RT: 10.292 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133442.D
Acq: 18 May 2023 17:09

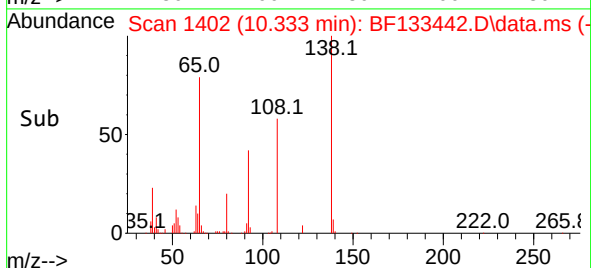
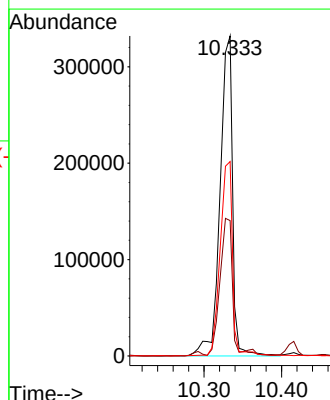
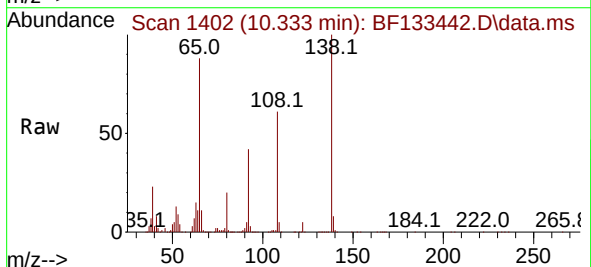
Instrument :
BNA_F
ClientSampleId :
SB-4MS

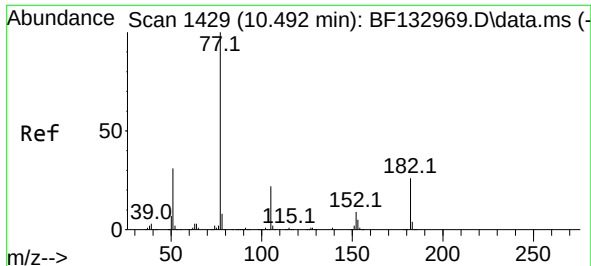
Tgt Ion:204 Resp: 591391
Ion Ratio Lower Upper
204 100
206 32.5 26.1 39.1
141 59.4 46.1 69.1



#62
4-Nitroaniline
Concen: 53.689 ng
RT: 10.333 min Scan# 1402
Delta R.T. 0.000 min
Lab File: BF133442.D
Acq: 18 May 2023 17:09

Tgt Ion:138 Resp: 372782
Ion Ratio Lower Upper
138 100
92 42.3 27.7 67.7
108 60.8 45.2 85.2

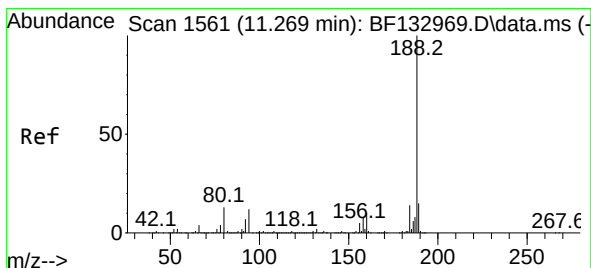
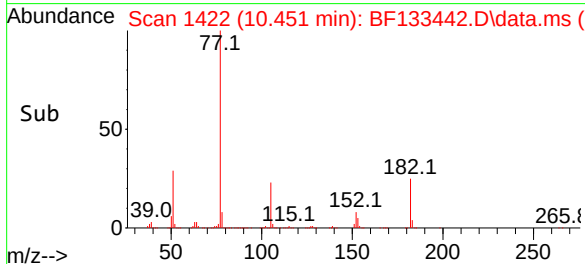
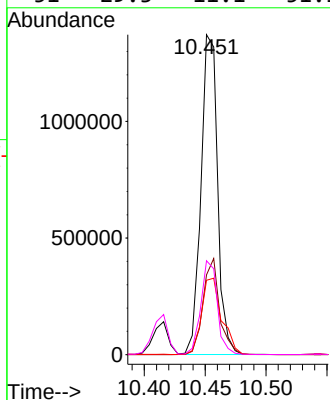
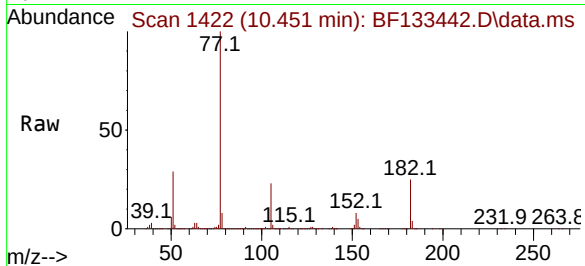




#63
Azobenzene
Concen: 46.083 ng
RT: 10.451 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF133442.D
Acq: 18 May 2023 17:09

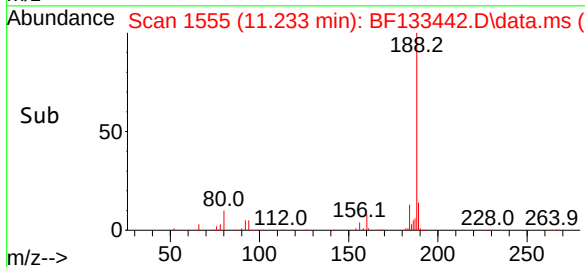
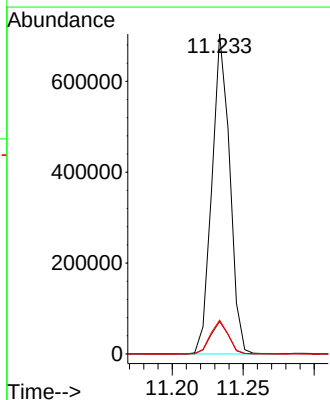
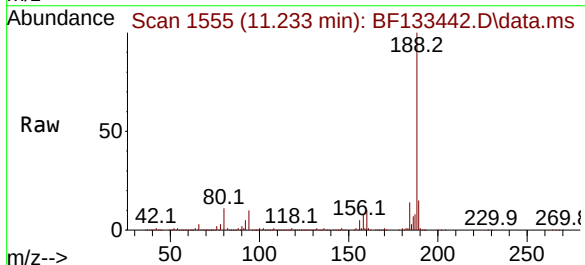
Instrument :
BNA_F
ClientSampleId :
SB-4MS

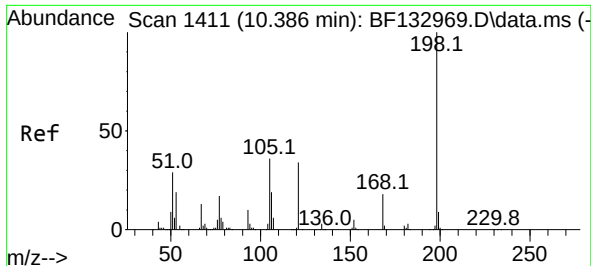
Tgt Ion: 77 Resp: 1301663
Ion Ratio Lower Upper
77 100
182 24.9 5.9 45.9
105 23.3 2.3 42.3
51 29.3 11.1 51.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.233 min Scan# 1555
Delta R.T. -0.012 min
Lab File: BF133442.D
Acq: 18 May 2023 17:09

Tgt Ion:188 Resp: 615318
Ion Ratio Lower Upper
188 100
94 10.2 9.7 14.5
80 10.5 10.4 15.6

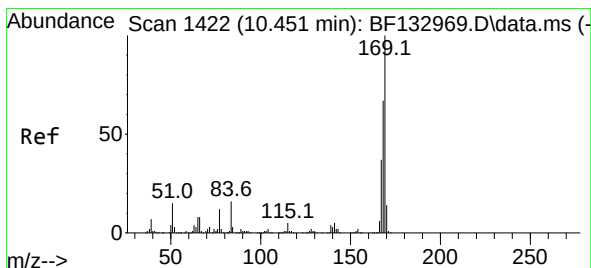
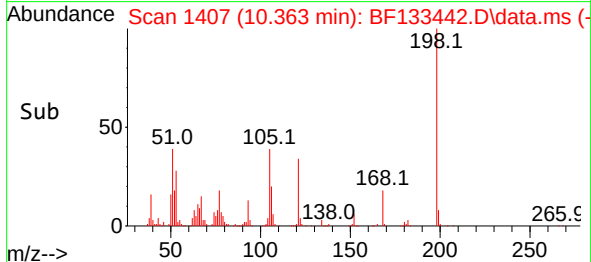
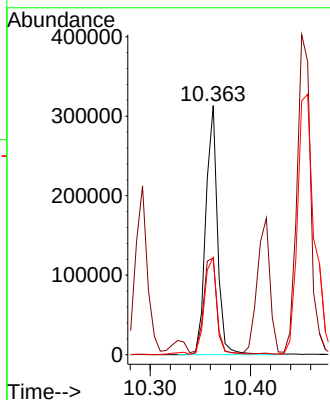
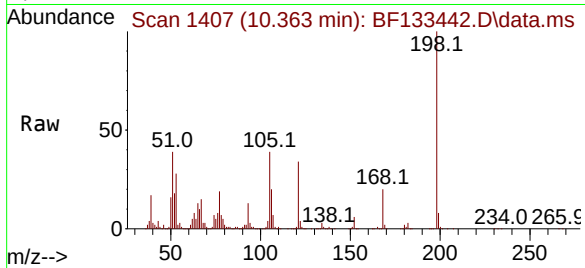




#65
4,6-Dinitro-2-methylphenol
Concen: 68.225 ng
RT: 10.363 min Scan# 1411
Delta R.T. -0.006 min
Lab File: BF133442.D
Acq: 18 May 2023 17:09

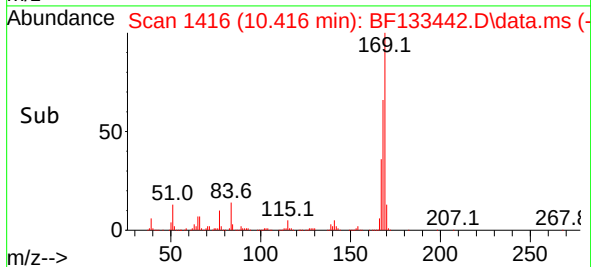
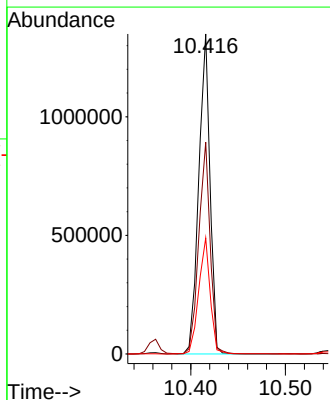
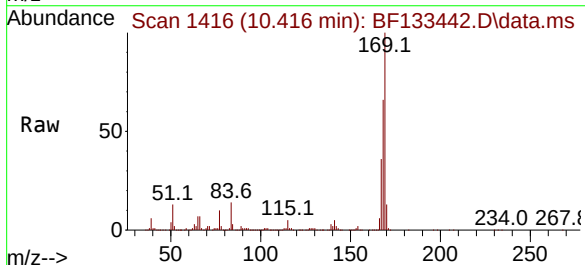
Instrument :
BNA_F
ClientSampleId :
SB-4MS

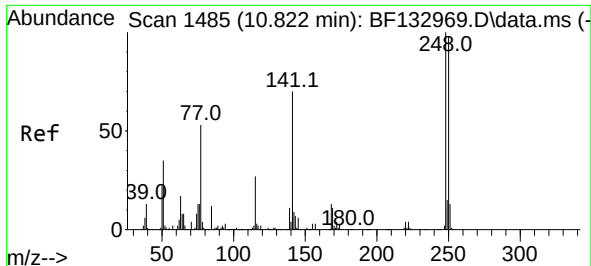
Tgt Ion:198 Resp: 254451
Ion Ratio Lower Upper
198 100
51 38.8 15.5 55.5
105 39.0 16.7 56.7



#66
n-Nitrosodiphenylamine
Concen: 56.105 ng
RT: 10.416 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF133442.D
Acq: 18 May 2023 17:09

Tgt Ion:169 Resp: 1119825
Ion Ratio Lower Upper
169 100
168 66.2 53.8 80.8
167 36.3 29.7 44.5

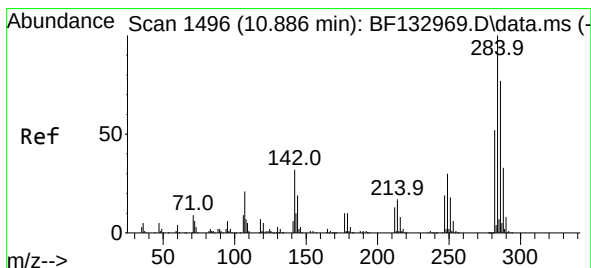
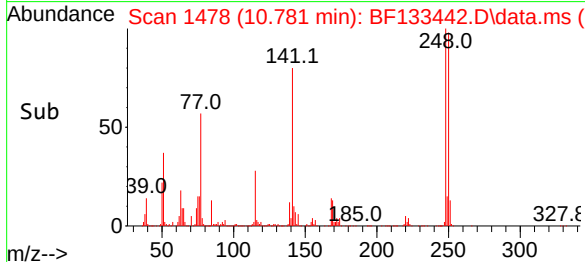
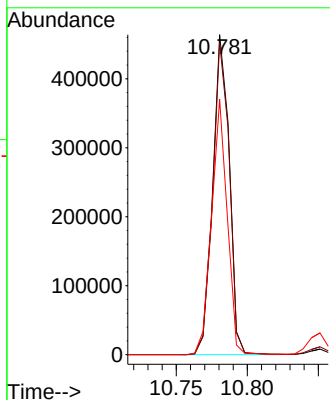
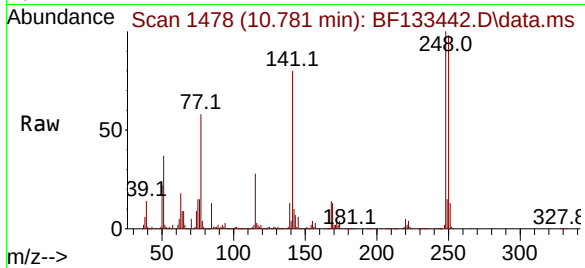




#67
4-Bromophenyl-phenylether
Concen: 56.533 ng
RT: 10.781 min Scan# 1485
Delta R.T. -0.012 min
Lab File: BF133442.D
Acq: 18 May 2023 17:09

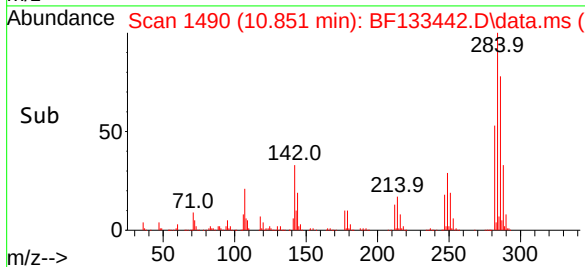
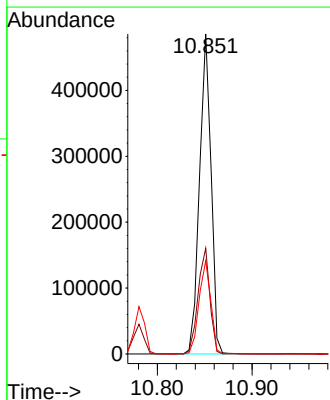
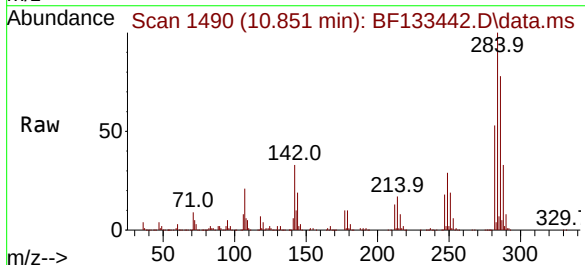
Instrument :
BNA_F
ClientSampleId :
SB-4MS

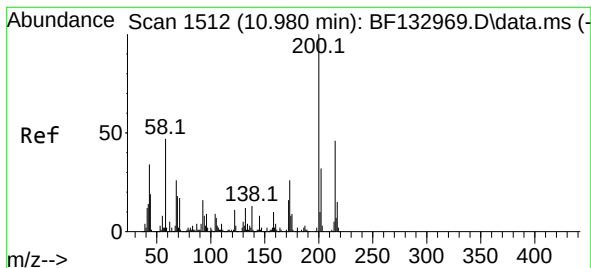
Tgt Ion:248 Resp: 377271
Ion Ratio Lower Upper
248 100
250 97.6 78.7 118.1
141 79.8 56.3 84.5



#68
Hexachlorobenzene
Concen: 60.258 ng
RT: 10.851 min Scan# 1490
Delta R.T. -0.012 min
Lab File: BF133442.D
Acq: 18 May 2023 17:09

Tgt Ion:284 Resp: 412057
Ion Ratio Lower Upper
284 100
142 33.1 26.0 39.0
249 29.1 23.7 35.5





#69

Atrazine

Concen: 68.711 ng

RT: 10.945 min Scan# 1506

Delta R.T. -0.006 min

Lab File: BF133442.D

Acq: 18 May 2023 17:09

Instrument :

BNA_F

ClientSampleId :

SB-4MS

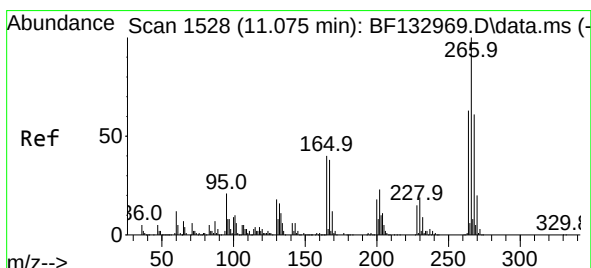
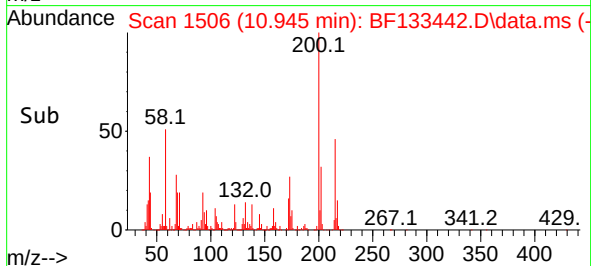
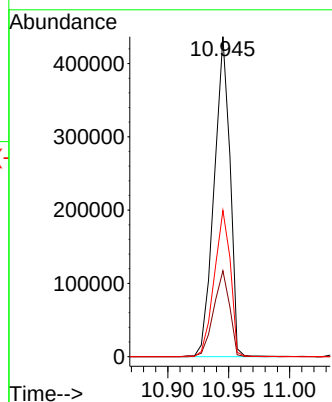
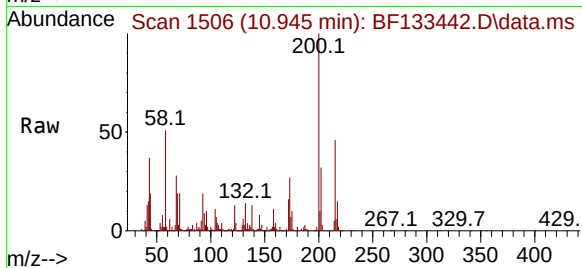
Tgt Ion:200 Resp: 395168

Ion Ratio Lower Upper

200 100

173 26.9 6.2 46.2

215 45.7 26.3 66.3



#70

Pentachlorophenol

Concen: 84.761 ng

RT: 11.051 min Scan# 1524

Delta R.T. -0.006 min

Lab File: BF133442.D

Acq: 18 May 2023 17:09

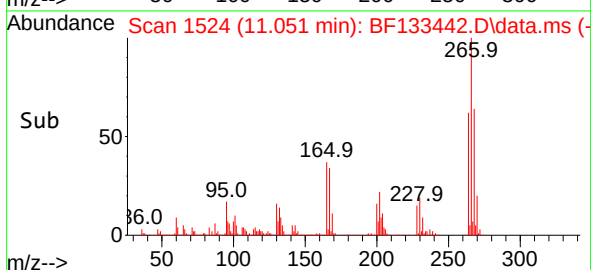
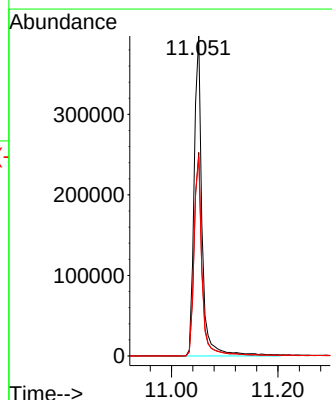
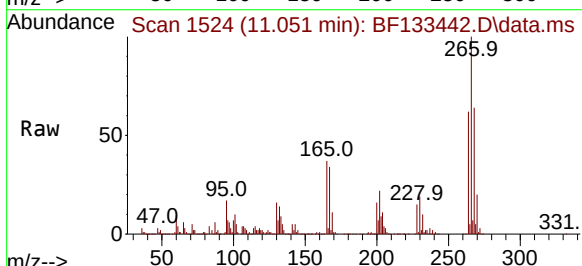
Tgt Ion:266 Resp: 412797

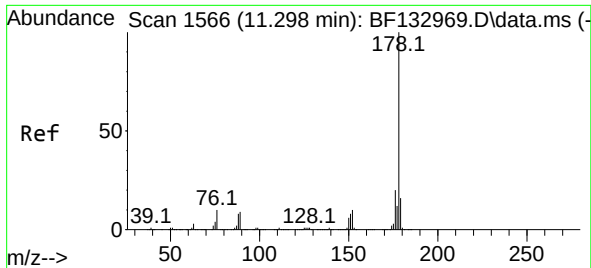
Ion Ratio Lower Upper

266 100

268 63.6 48.8 73.2

264 62.3 50.6 76.0

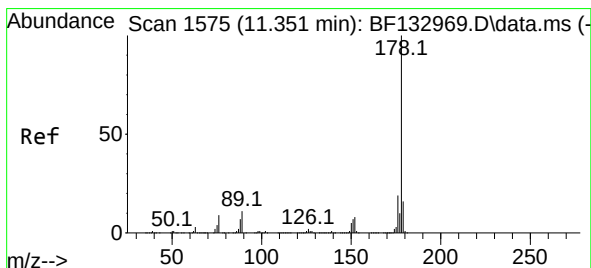
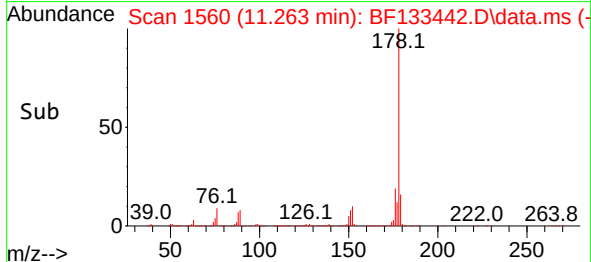
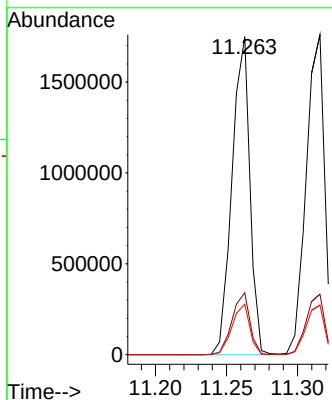
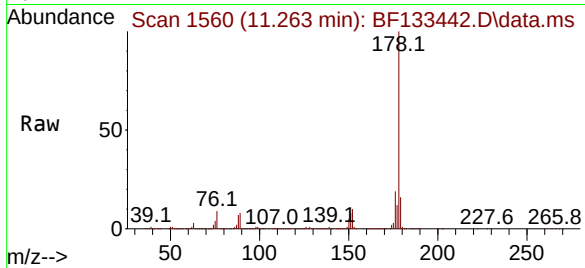




#71
Phenanthrene
Concen: 46.461 ng
RT: 11.263 min Scan# 1560
Delta R.T. -0.006 min
Lab File: BF133442.D
Acq: 18 May 2023 17:09

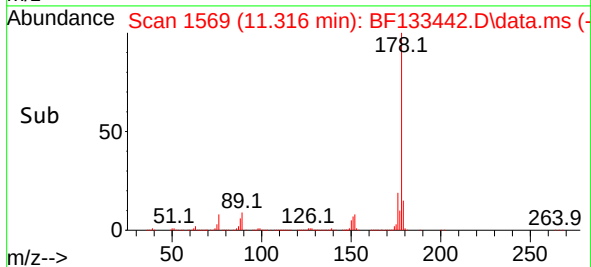
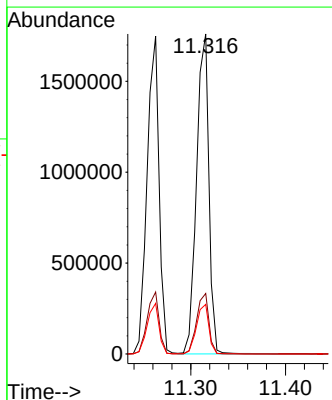
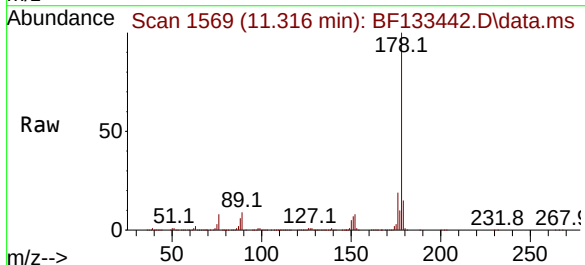
Instrument :
BNA_F
ClientSampleId :
SB-4MS

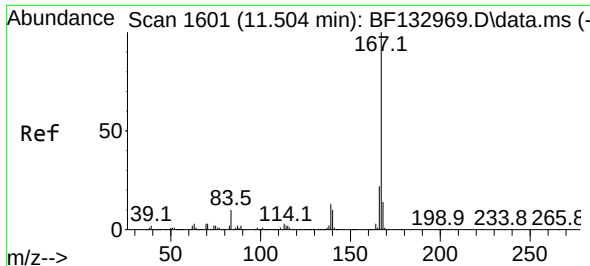
Tgt Ion:178 Resp: 1536523
Ion Ratio Lower Upper
178 100
176 19.5 15.9 23.9
179 15.9 12.5 18.7



#72
Anthracene
Concen: 47.147 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF133442.D
Acq: 18 May 2023 17:09

Tgt Ion:178 Resp: 1595683
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.0
179 15.5 12.4 18.6

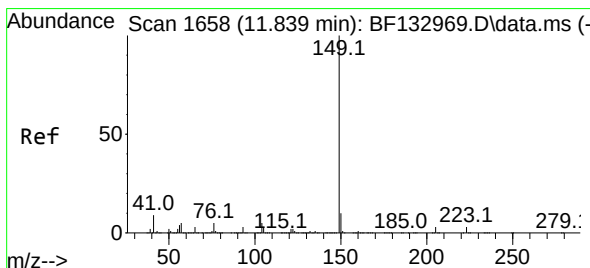
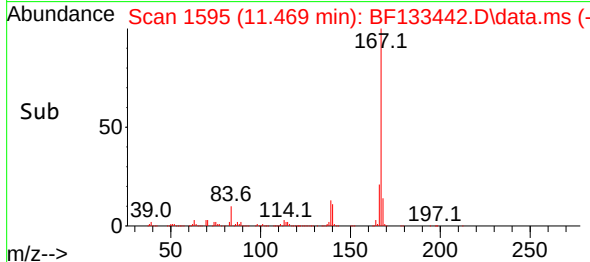
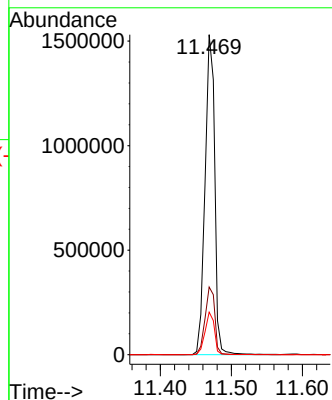
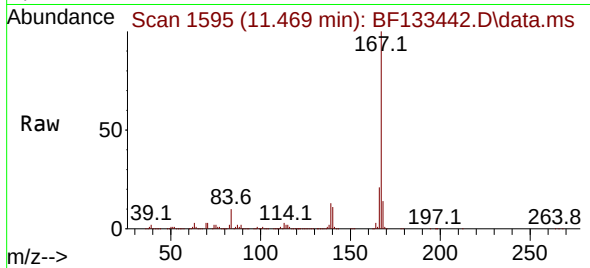




#73
 Carbazole
 Concen: 48.141 ng
 RT: 11.469 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF133442.D
 Acq: 18 May 2023 17:09

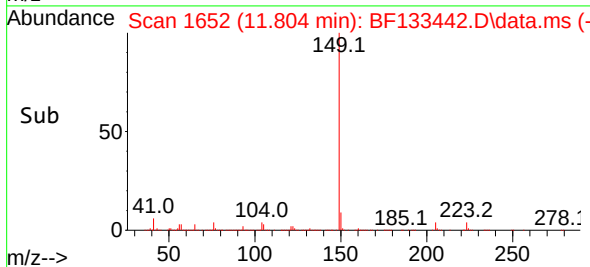
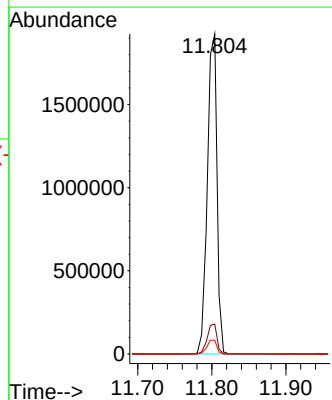
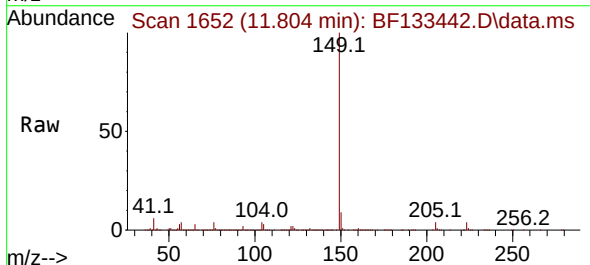
Instrument :
 BNA_F
 ClientSampleId :
 SB-4MS

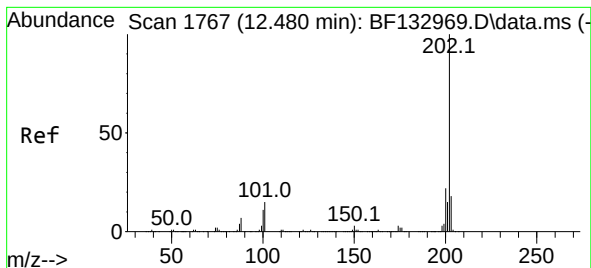
Tgt Ion:167 Resp: 1450805
 Ion Ratio Lower Upper
 167 100
 166 21.1 17.4 26.0
 139 13.3 10.6 16.0



#74
 Di-n-butylphthalate
 Concen: 51.332 ng
 RT: 11.804 min Scan# 1652
 Delta R.T. -0.006 min
 Lab File: BF133442.D
 Acq: 18 May 2023 17:09

Tgt Ion:149 Resp: 1750655
 Ion Ratio Lower Upper
 149 100
 150 9.3 7.6 11.4
 104 4.3 4.0 6.0





#75

Fluoranthene

Concen: 48.408 ng

RT: 12.451 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133442.D

Acq: 18 May 2023 17:09

Instrument :

BNA_F

ClientSampleId :

SB-4MS

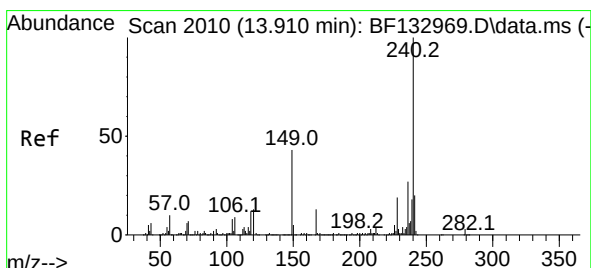
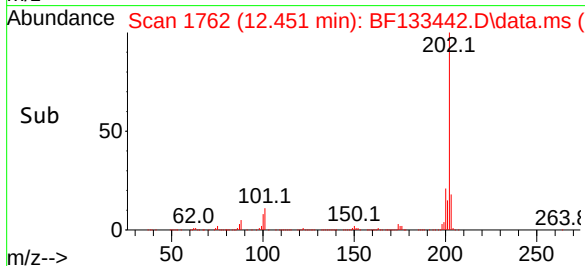
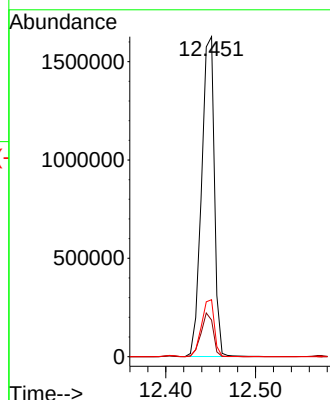
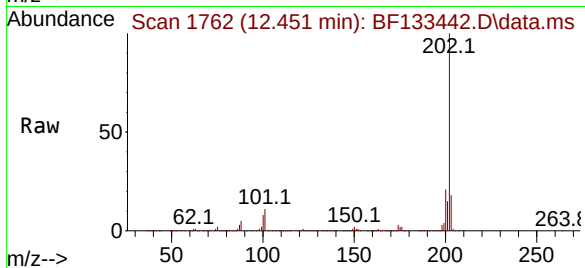
Tgt Ion:202 Resp: 1606725

Ion Ratio Lower Upper

202 100

101 11.4 0.0 35.3

203 17.8 0.0 38.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.874 min Scan# 2004

Delta R.T. -0.012 min

Lab File: BF133442.D

Acq: 18 May 2023 17:09

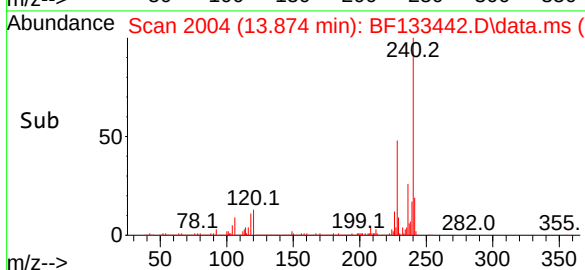
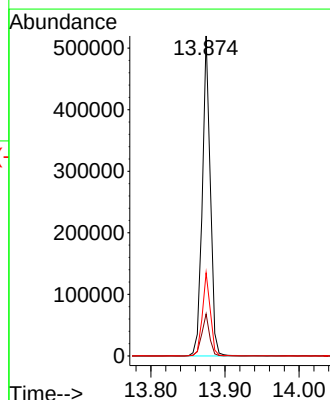
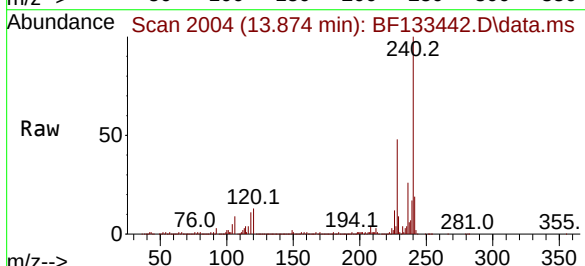
Tgt Ion:240 Resp: 391662

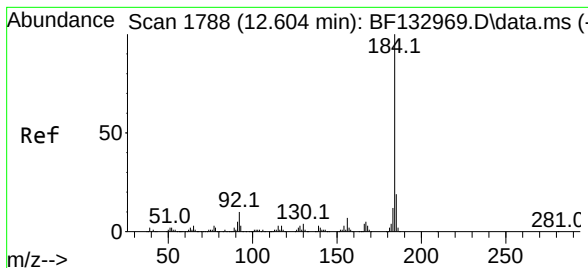
Ion Ratio Lower Upper

240 100

120 13.2 10.5 15.7

236 26.0 21.5 32.3





#77

Benzidine

Concen: 117.140 ng

RT: 12.575 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133442.D

Acq: 18 May 2023 17:09

Instrument :

BNA_F

ClientSampleId :

SB-4MS

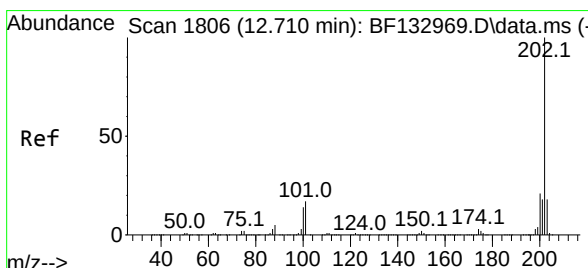
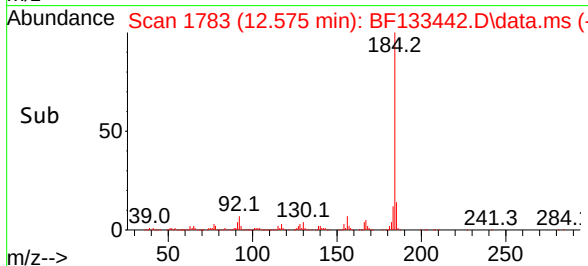
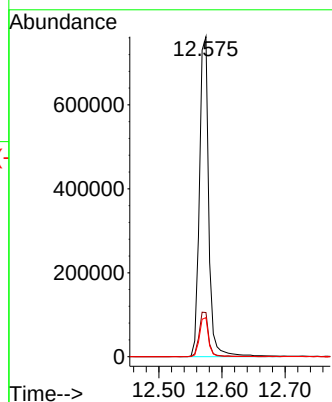
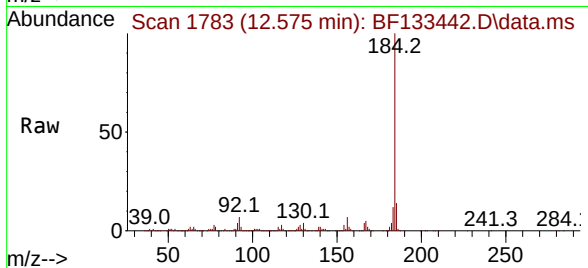
Tgt Ion:184 Resp: 775842

Ion Ratio Lower Upper

184 100

185 13.8 15.4 23.2#

183 12.2 9.4 14.0



#78

Pyrene

Concen: 48.666 ng

RT: 12.675 min Scan# 1800

Delta R.T. -0.012 min

Lab File: BF133442.D

Acq: 18 May 2023 17:09

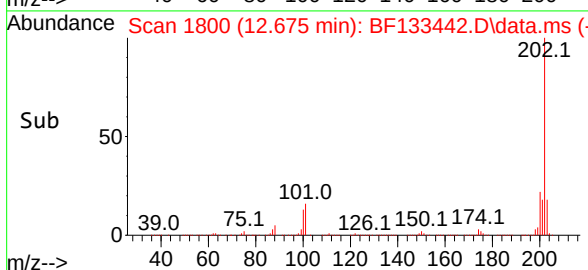
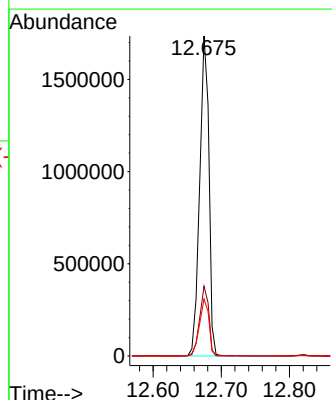
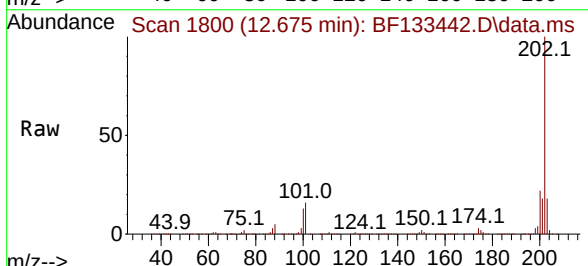
Tgt Ion:202 Resp: 1633949

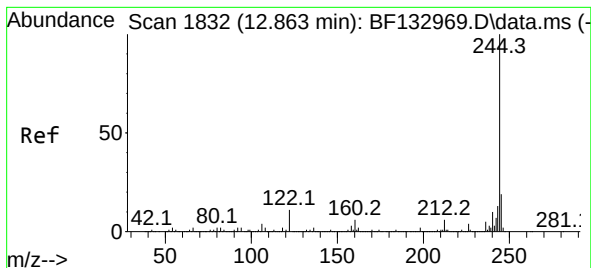
Ion Ratio Lower Upper

202 100

200 21.8 17.1 25.7

203 17.8 14.1 21.1





#79

Terphenyl-d14

Concen: 83.843 ng

RT: 12.822 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF133442.D

Acq: 18 May 2023 17:09

Instrument :

BNA_F

ClientSampleId :

SB-4MS

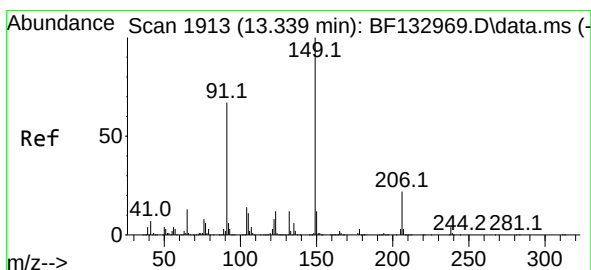
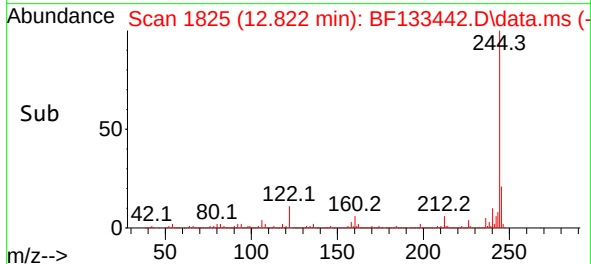
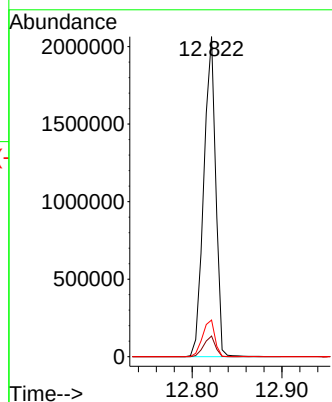
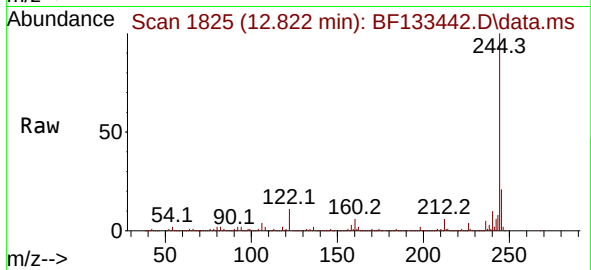
Tgt Ion:244 Resp: 1904017

Ion Ratio Lower Upper

244 100

212 6.5 5.1 7.7

122 11.4 8.6 13.0



#80

Butylbenzylphthalate

Concen: 60.507 ng

RT: 13.298 min Scan# 1906

Delta R.T. -0.006 min

Lab File: BF133442.D

Acq: 18 May 2023 17:09

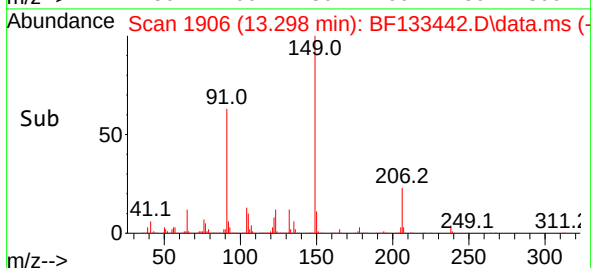
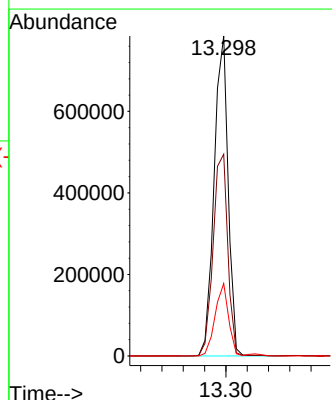
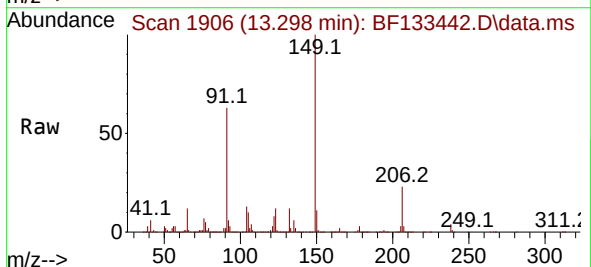
Tgt Ion:149 Resp: 719295

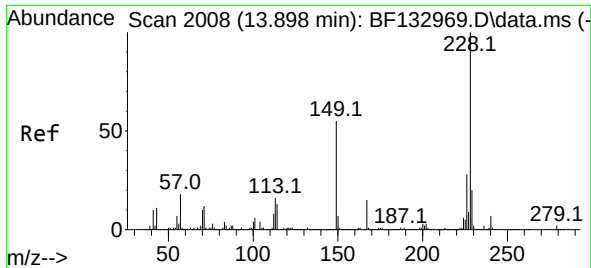
Ion Ratio Lower Upper

149 100

91 63.1 53.8 80.6

206 22.7 17.5 26.3

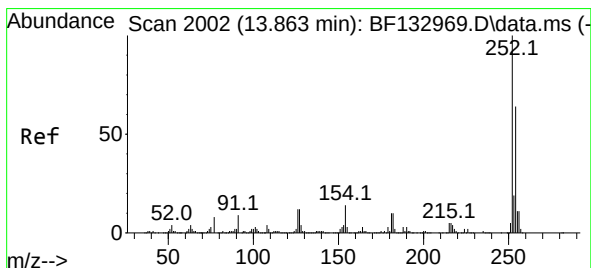
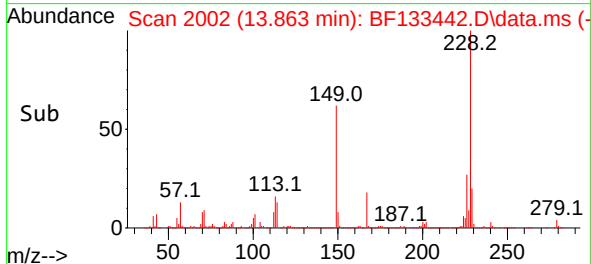
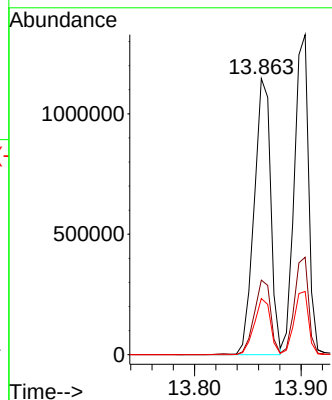
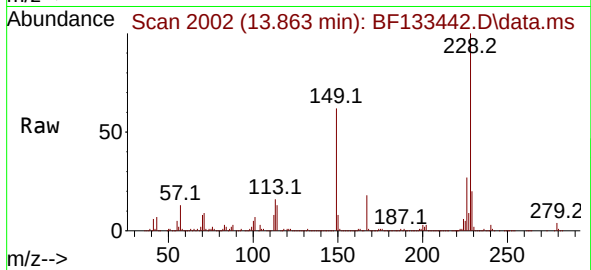




#81
Benzo(a)anthracene
Concen: 45.650 ng
RT: 13.863 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF133442.D
Acq: 18 May 2023 17:09

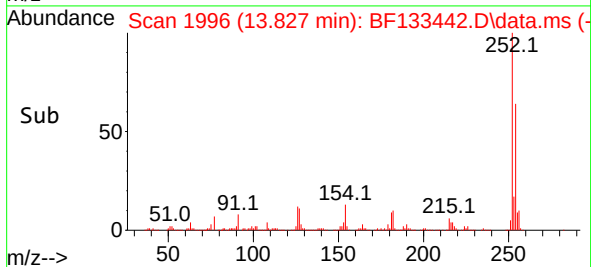
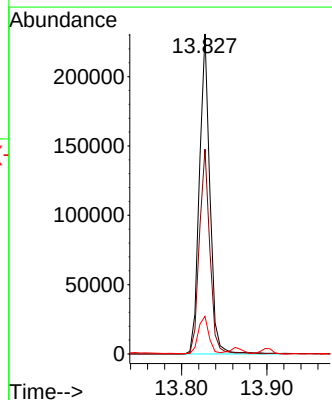
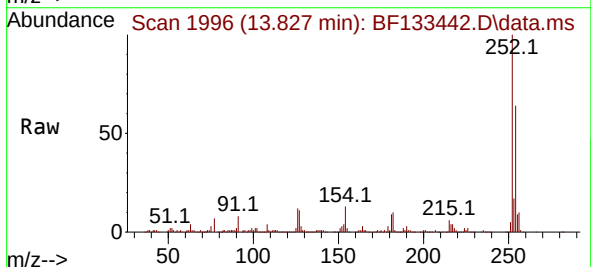
Instrument :
BNA_F
ClientSampleId :
SB-4MS

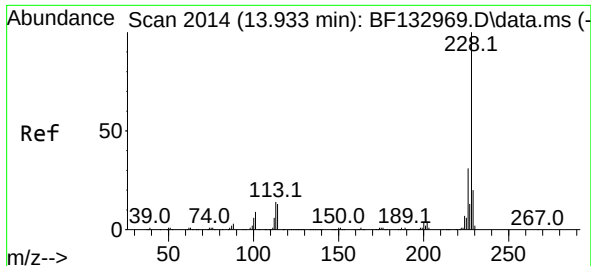
Tgt Ion:228 Resp: 1229508
Ion Ratio Lower Upper
228 100
226 27.0 22.2 33.4
229 20.3 16.0 24.0



#82
3,3'-Dichlorobenzidine
Concen: 26.612 ng
RT: 13.827 min Scan# 1996
Delta R.T. -0.012 min
Lab File: BF133442.D
Acq: 18 May 2023 17:09

Tgt Ion:252 Resp: 198004
Ion Ratio Lower Upper
252 100
254 64.0 51.5 77.3
126 11.8 9.5 14.3

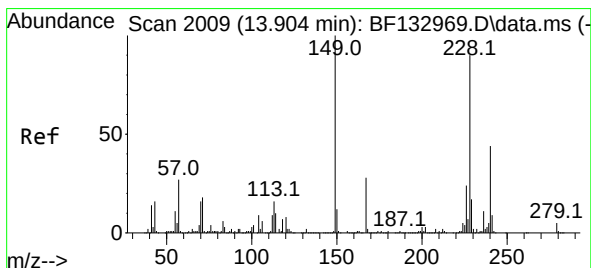
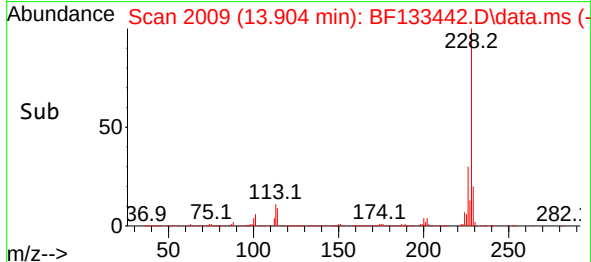
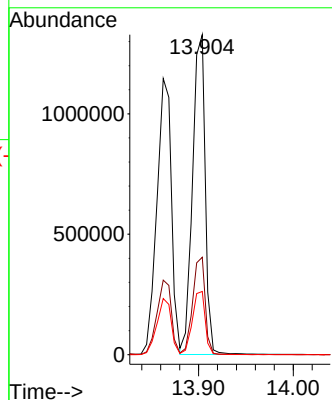
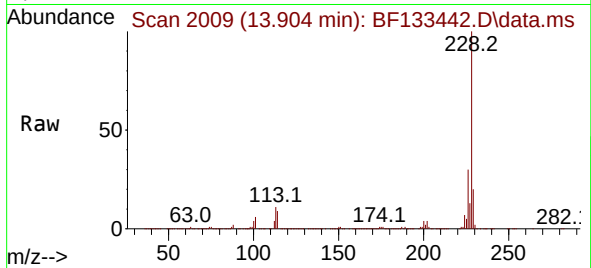




#83
Chrysene
Concen: 46.038 ng
RT: 13.904 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF133442.D
Acq: 18 May 2023 17:09

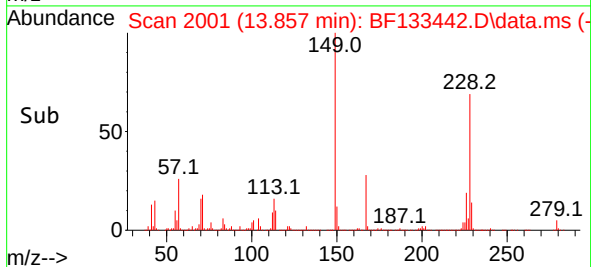
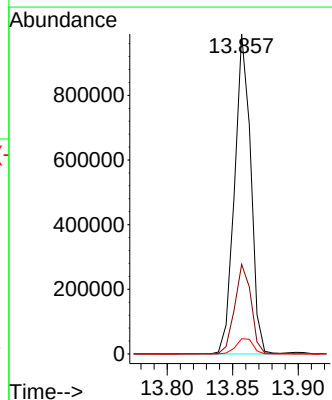
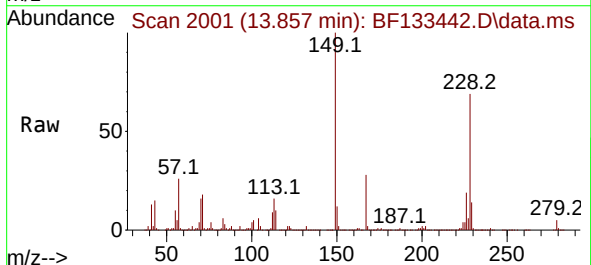
Instrument :
BNA_F
ClientSampleId :
SB-4MS

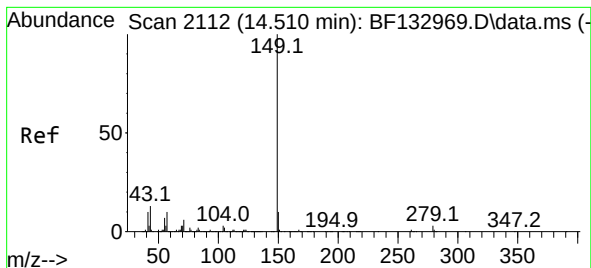
Tgt Ion:228 Resp: 1239647
Ion Ratio Lower Upper
228 100
226 30.5 24.7 37.1
229 19.7 16.1 24.1



#84
Bis(2-ethylhexyl)phthalate
Concen: 56.991 ng
RT: 13.857 min Scan# 2001
Delta R.T. -0.006 min
Lab File: BF133442.D
Acq: 18 May 2023 17:09

Tgt Ion:149 Resp: 850382
Ion Ratio Lower Upper
149 100
167 28.0 22.5 33.7
279 4.7 4.2 6.4





#85

Di-n-octyl phthalate

Concen: 56.771 ng

RT: 14.469 min Scan# 2105

Delta R.T. -0.006 min

Lab File: BF133442.D

Acq: 18 May 2023 17:09

Instrument :

BNA_F

ClientSampleId :

SB-4MS

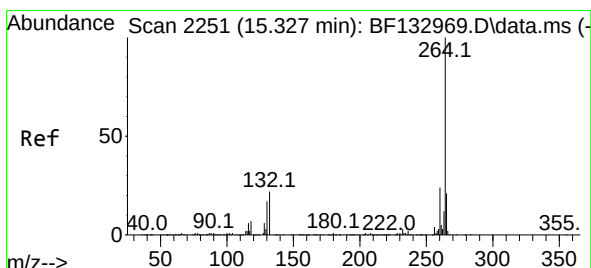
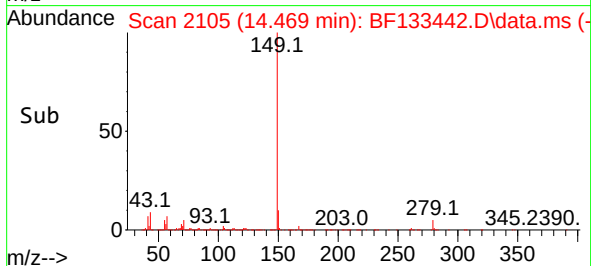
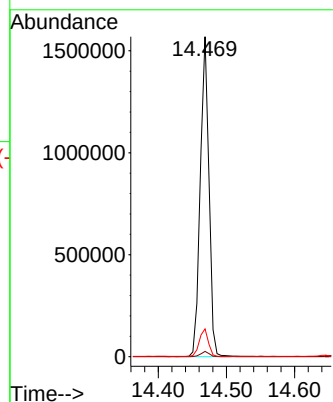
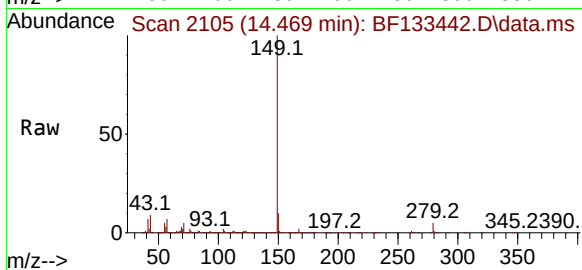
Tgt Ion:149 Resp: 1381239

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

43 8.8 9.5 14.3#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.292 min Scan# 2245

Delta R.T. -0.012 min

Lab File: BF133442.D

Acq: 18 May 2023 17:09

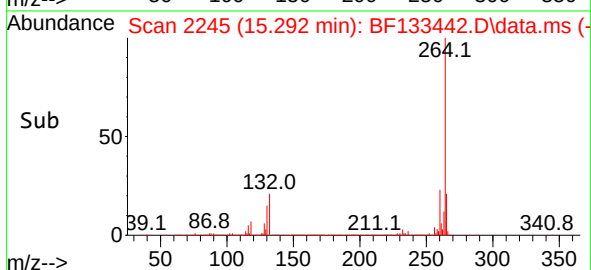
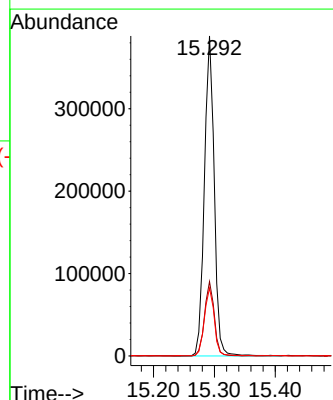
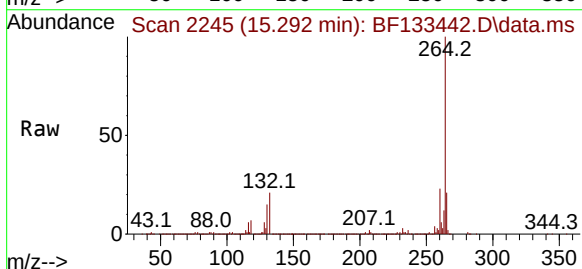
Tgt Ion:264 Resp: 437084

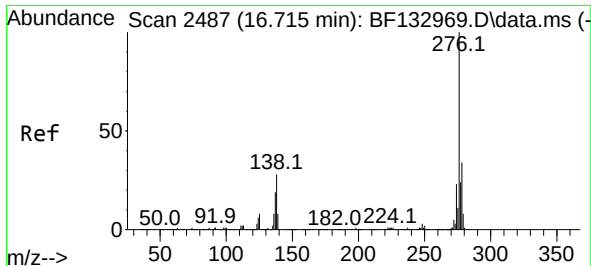
Ion Ratio Lower Upper

264 100

260 23.3 18.8 28.2

265 21.3 17.0 25.4

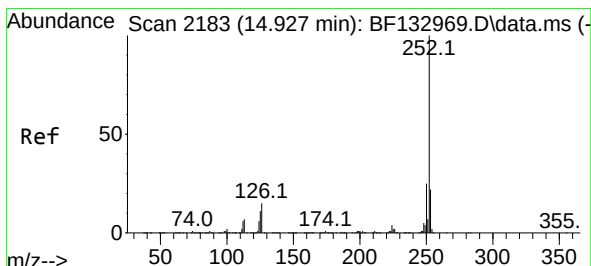
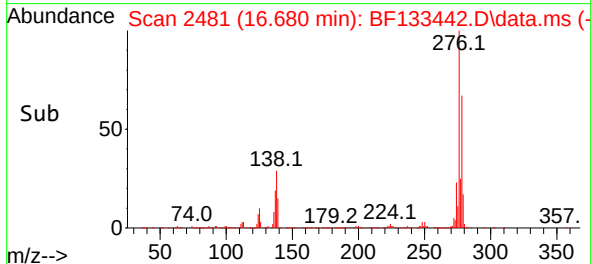
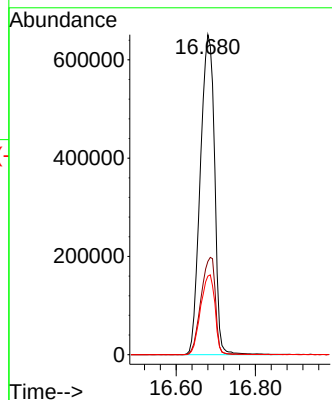
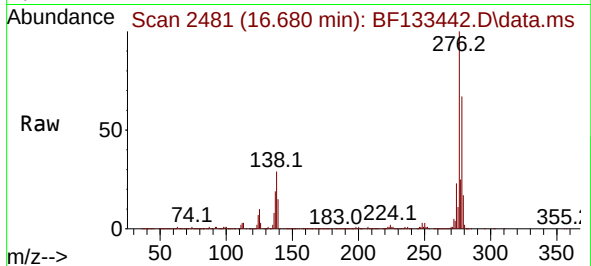




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 65.329 ng
 RT: 16.680 min Scan# 2487
 Delta R.T. -0.018 min
 Lab File: BF133442.D
 Acq: 18 May 2023 17:09

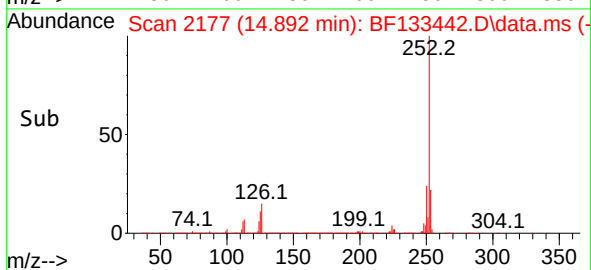
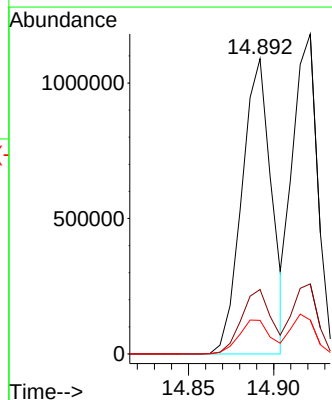
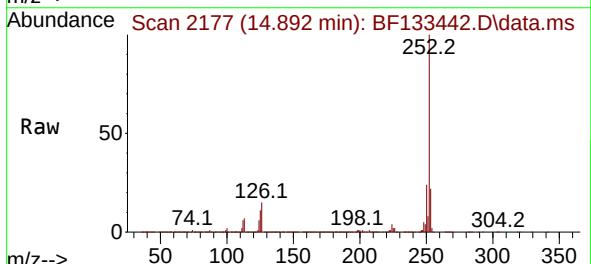
Instrument :
 BNA_F
 ClientSampleId :
 SB-4MS

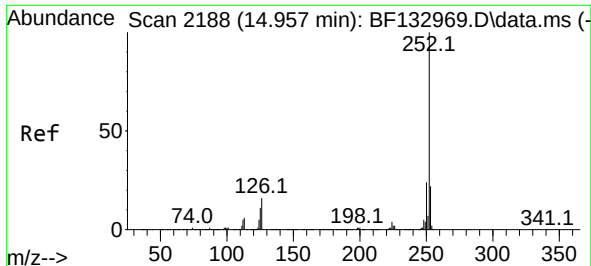
Tgt Ion:276 Resp: 1624228
 Ion Ratio Lower Upper
 276 100
 138 30.6 25.5 38.3
 277 25.1 20.4 30.6



#88
 Benzo(b)fluoranthene
 Concen: 47.453 ng
 RT: 14.892 min Scan# 2177
 Delta R.T. -0.006 min
 Lab File: BF133442.D
 Acq: 18 May 2023 17:09

Tgt Ion:252 Resp: 1319510
 Ion Ratio Lower Upper
 252 100
 253 21.9 17.6 26.4
 125 11.4 8.9 13.3

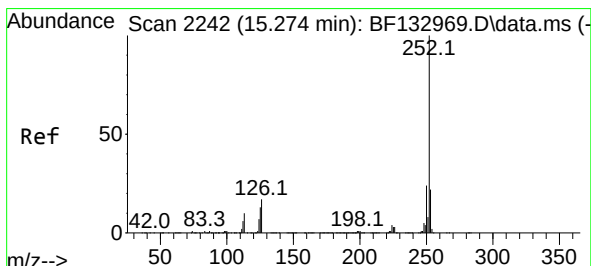
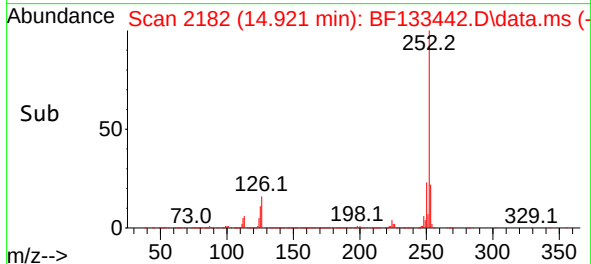
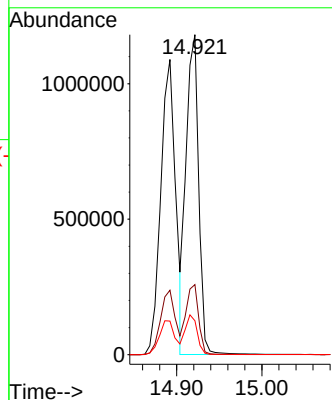
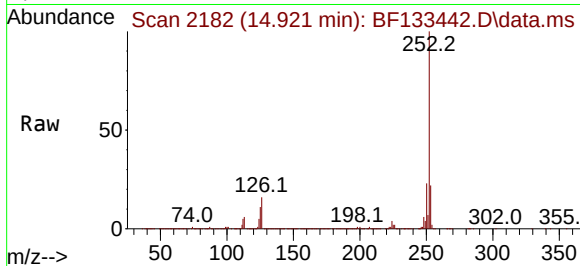




#89
Benzo(k)fluoranthene
Concen: 43.987 ng
RT: 14.921 min Scan# 2188
Delta R.T. -0.006 min
Lab File: BF133442.D
Acq: 18 May 2023 17:09

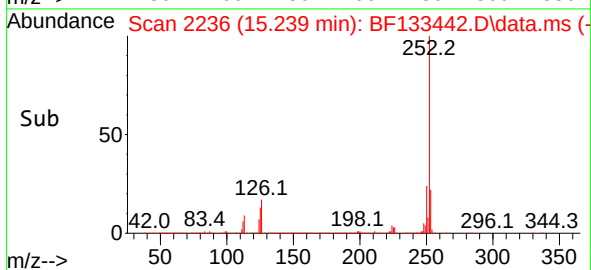
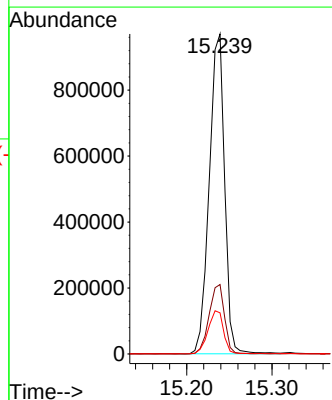
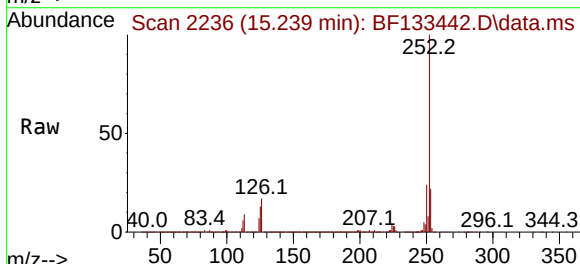
Instrument :
BNA_F
ClientSampleId :
SB-4MS

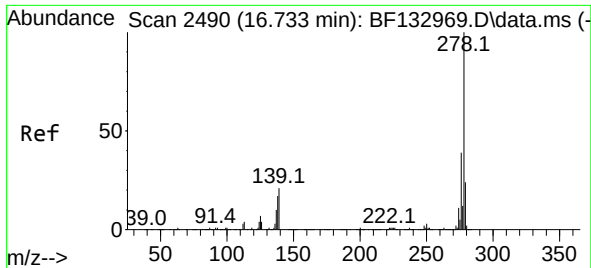
Tgt Ion:252 Resp: 1212476
Ion Ratio Lower Upper
252 100
253 21.9 17.7 26.5
125 10.6 9.0 13.4



#90
Benzo(a)pyrene
Concen: 48.064 ng
RT: 15.239 min Scan# 2236
Delta R.T. -0.006 min
Lab File: BF133442.D
Acq: 18 May 2023 17:09

Tgt Ion:252 Resp: 1216499
Ion Ratio Lower Upper
252 100
253 21.7 17.7 26.5
125 12.8 10.5 15.7

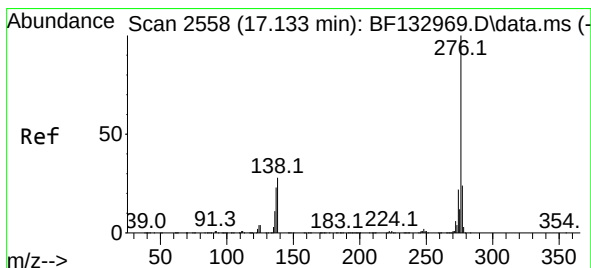
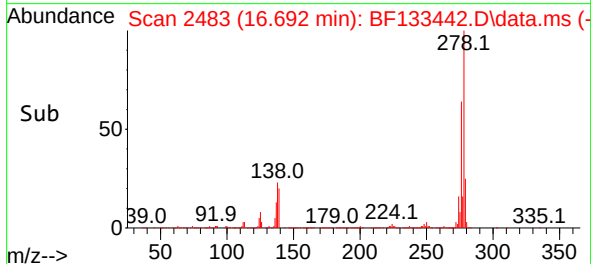
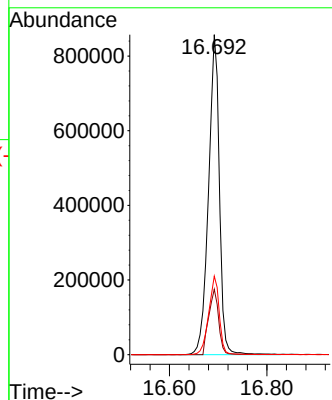
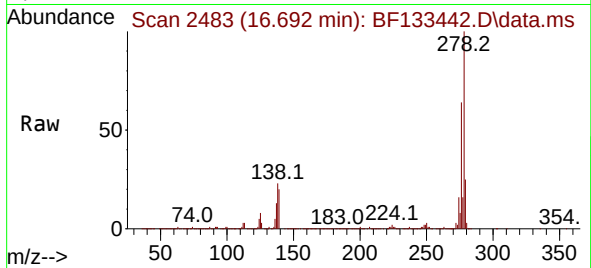




#91
Dibenzo(a,h)anthracene
Concen: 63.965 ng
RT: 16.692 min Scan# 2490
Delta R.T. -0.012 min
Lab File: BF133442.D
Acq: 18 May 2023 17:09

Instrument :
BNA_F
ClientSampleId :
SB-4MS

Tgt Ion:278 Resp: 1326393
Ion Ratio Lower Upper
278 100
139 20.4 16.6 24.8
279 24.5 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 65.849 ng
RT: 17.098 min Scan# 2552
Delta R.T. -0.012 min
Lab File: BF133442.D
Acq: 18 May 2023 17:09

Tgt Ion:276 Resp: 1348054
Ion Ratio Lower Upper
276 100
277 23.6 19.4 29.0
138 27.4 22.7 34.1

