

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
 Data File : BF135967.D
 Acq On : 26 Oct 2023 17:10
 Operator : CG\JU
 Sample : 05039-04MS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MMFB-4MS

Quant Time: Oct 26 17:31:58 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 26 03:58:01 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	176735	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	671219	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	308909	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	463494	20.000	ng	0.00
76) Chrysene-d12	14.010	240	327569	20.000	ng	0.00
86) Perylene-d12	15.498	264	297892	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	1089024	95.150	ng	0.00
7) Phenol-d6	6.463	99	1353755	95.007	ng	0.00
23) Nitrobenzene-d5	7.392	82	773929	75.672	ng	0.00
42) 2,4,6-Tribromophenol	10.657	330	284387	105.178	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	1415213	73.358	ng	0.00
79) Terphenyl-d14	12.951	244	1246877	63.597	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.640	88	185523	34.895	ng	98
3) Pyridine	3.393	79	462432	31.512	ng	98
4) n-Nitrosodimethylamine	3.363	42	243359	38.033	ng	98
6) Aniline	6.487	93	608373	31.709	ng	100
8) 2-Chlorophenol	6.610	128	527646	44.533	ng	99
9) Benzaldehyde	6.375	77	152581	19.795	ng	99
10) Phenol	6.475	94	651218	43.717	ng	98
11) bis(2-Chloroethyl)ether	6.569	93	494988	42.690	ng	99
12) 1,3-Dichlorobenzene	6.769	146	529666	42.086	ng	96
13) 1,4-Dichlorobenzene	6.845	146	540989	42.801	ng	98
14) 1,2-Dichlorobenzene	6.992	146	511209	43.554	ng	98
15) Benzyl Alcohol	6.969	79	426603	42.352	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.104	45	712000	41.697	ng	98
17) 2-Methylphenol	7.081	107	409765	39.239	ng	98
18) Hexachloroethane	7.339	117	192517	44.793	ng	93
19) n-Nitroso-di-n-propyla...	7.245	70	338123	41.729	ng	96
20) 3+4-Methylphenols	7.234	107	503340	39.936	ng	# 85
22) Acetophenone	7.239	105	673572	44.431	ng	# 92
24) Nitrobenzene	7.410	77	500975	45.227	ng	99
25) Isophorone	7.645	82	951665	44.855	ng	100
26) 2-Nitrophenol	7.722	139	231533	55.412	ng	98
27) 2,4-Dimethylphenol	7.763	122	400540	41.422	ng	99
28) bis(2-Chloroethoxy)met...	7.863	93	589166	45.221	ng	98
29) 2,4-Dichlorophenol	7.963	162	415065	47.934	ng	98
30) 1,2,4-Trichlorobenzene	8.045	180	444955	45.385	ng	99
31) Naphthalene	8.128	128	1463019	45.083	ng	99
32) Benzoic acid	7.875	122	209279	46.317	ng	93
33) 4-Chloroaniline	8.175	127	398314	27.770	ng	100
34) Hexachlorobutadiene	8.245	225	255038	46.152	ng	97
35) Caprolactam	8.551	113	115175	39.970	ng	99
36) 4-Chloro-3-methylphenol	8.657	107	420888	45.739	ng	99
37) 2-Methylnaphthalene	8.822	142	914304	42.583	ng	100
38) 1-Methylnaphthalene	8.922	142	872788	43.503	ng	100
40) 1,2,4,5-Tetrachloroben...	8.986	216	417985	47.908	ng	100
41) Hexachlorocyclopentadiene	8.975	237	220068	51.154	ng	99
43) 2,4,6-Trichlorophenol	9.098	196	271175	53.103	ng	98

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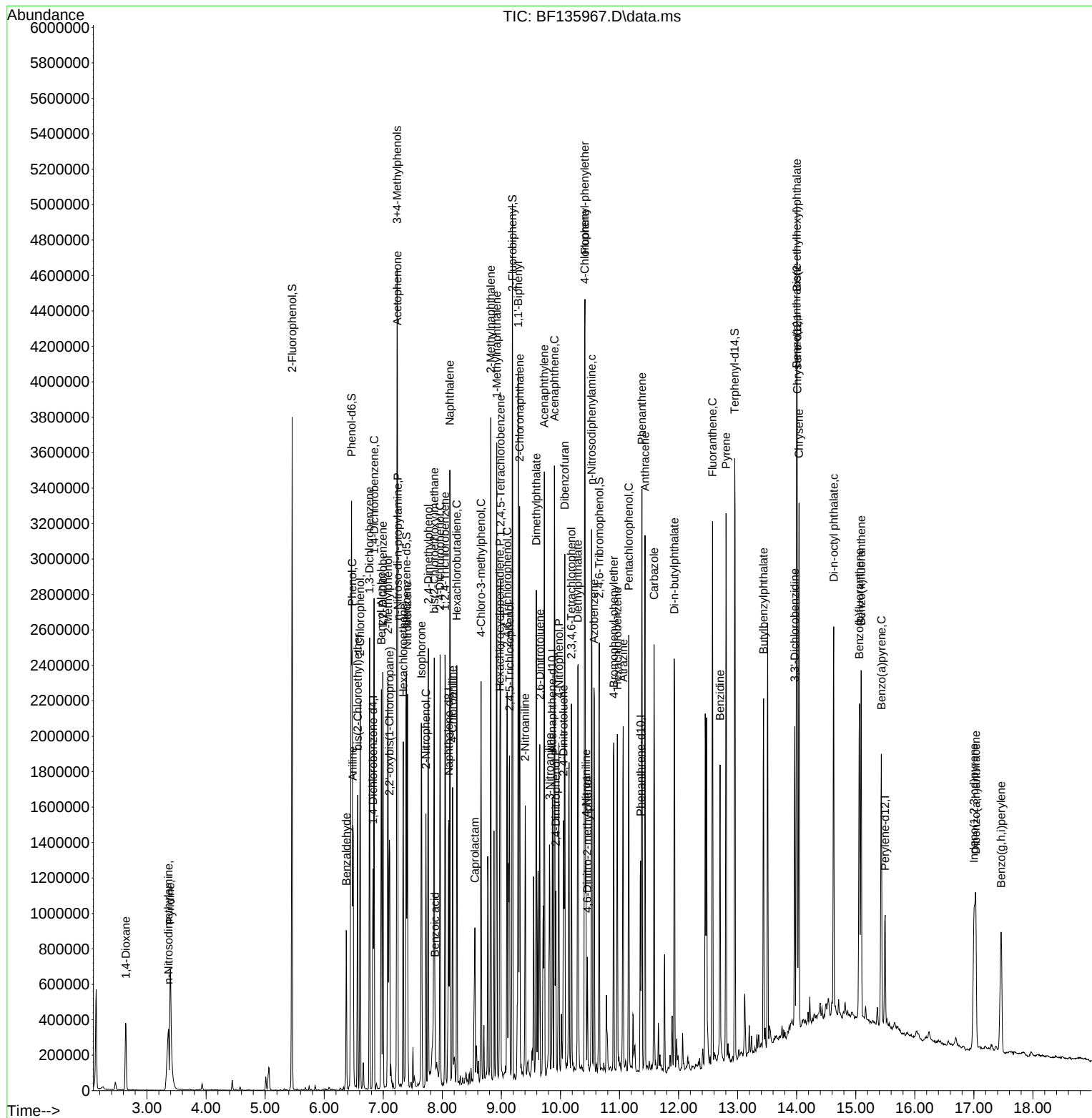
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.139	196	288729	47.621	ng	96
46) 1,1'-Biphenyl	9.286	154	1124134	48.026	ng	99
47) 2-Chloronaphthalene	9.310	162	825400	47.674	ng	98
48) 2-Nitroaniline	9.404	65	241389	50.458	ng	99
49) Acenaphthylene	9.727	152	1274724	46.670	ng	99
50) Dimethylphthalate	9.592	163	955631	47.704	ng	99
51) 2,6-Dinitrotoluene	9.651	165	200102	48.163	ng	90
52) Acenaphthene	9.898	154	812122	46.395	ng	99
53) 3-Nitroaniline	9.816	138	200319	41.041	ng	96
54) 2,4-Dinitrophenol	9.922	184	99094	70.397	ng	94
55) Dibenzofuran	10.075	168	1094071	43.265	ng	97
56) 4-Nitrophenol	9.975	139	311731	77.359	ng	92
57) 2,4-Dinitrotoluene	10.051	165	242841	47.331	ng	92
58) Fluorene	10.416	166	798343	42.198	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.186	232	215115	47.150	ng	99
60) Diethylphthalate	10.292	149	886956	46.431	ng	99
61) 4-Chlorophenyl-phenyle...	10.410	204	391594	42.909	ng	97
62) 4-Nitroaniline	10.433	138	187121	38.994	ng	96
63) Azobenzene	10.569	77	794897	41.004	ng	100
65) 4,6-Dinitro-2-methylph...	10.457	198	72836	48.451	ng	98
66) n-Nitrosodiphenylamine	10.527	169	723404	51.664	ng	100
67) 4-Bromophenyl-phenylether	10.904	248	240856	50.742	ng	93
68) Hexachlorobenzene	10.963	284	250793	49.460	ng	94
69) Atrazine	11.063	200	232270	60.850	ng	99
70) Pentachlorophenol	11.157	266	269398	83.596	ng	99
71) Phenanthrene	11.380	178	1157787	49.374	ng	100
72) Anthracene	11.433	178	1108878	46.183	ng	100
73) Carbazole	11.586	167	950091	44.359	ng	99
74) Di-n-butylphthalate	11.927	149	1125490	49.382	ng	100
75) Fluoranthene	12.574	202	1159712	47.009	ng	98
77) Benzidine	12.704	184	635455	100.606	ng	99
78) Pyrene	12.804	202	1250246	45.457	ng	100
80) Butylbenzylphthalate	13.439	149	443413	43.084	ng	99
81) Benzo(a)anthracene	13.998	228	1089363	48.910	ng	99
82) 3,3'-Dichlorobenzidine	13.968	252	352793	52.063	ng	97
83) Chrysene	14.039	228	1024774	47.240	ng	99
84) Bis(2-ethylhexyl)phtha...	14.004	149	568318	50.249	ng	99
85) Di-n-octyl phthalate	14.627	149	1059858	59.488	ng	100
87) Indeno(1,2,3-cd)pyrene	17.003	276	733644	43.433	ng	99
88) Benzo(b)fluoranthene	15.062	252	923023	52.065	ng	100
89) Benzo(k)fluoranthene	15.092	252	825326	47.401	ng	99
90) Benzo(a)pyrene	15.433	252	760281	46.532	ng	99
91) Dibenzo(a,h)anthracene	17.033	278	599576	41.498	ng	97
92) Benzo(g,h,i)perylene	17.462	276	581968	36.411	ng	99

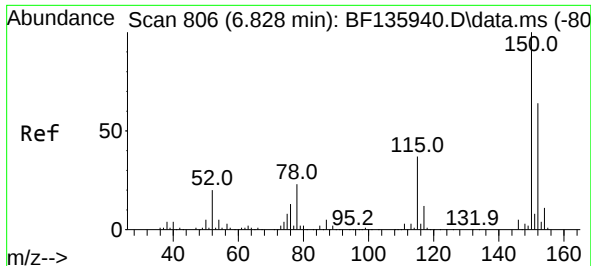
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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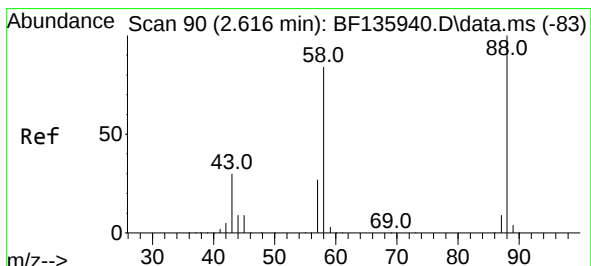
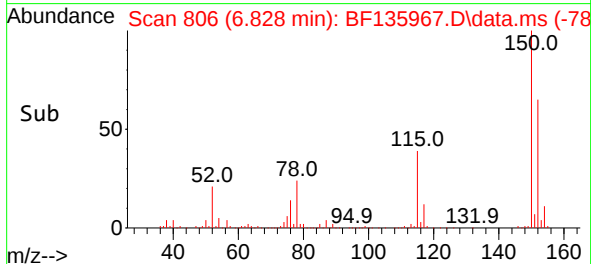
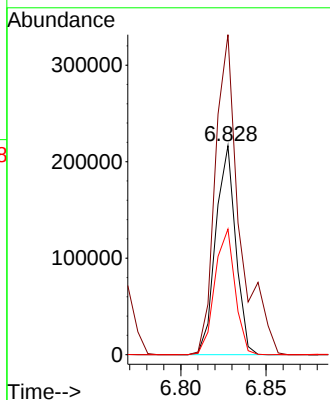
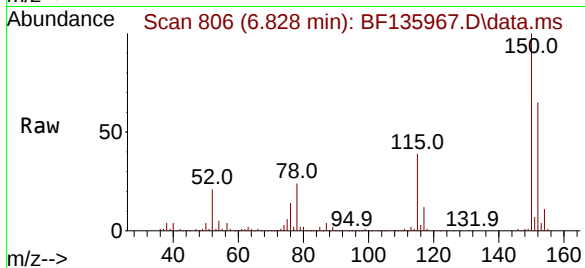




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.828 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: BF135967.D
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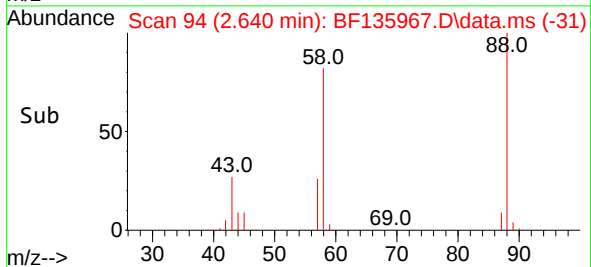
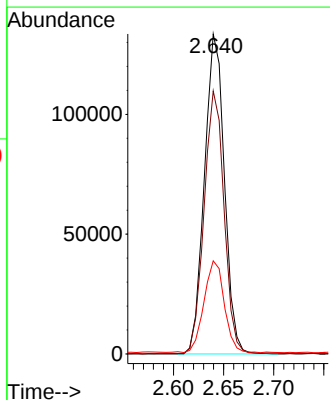
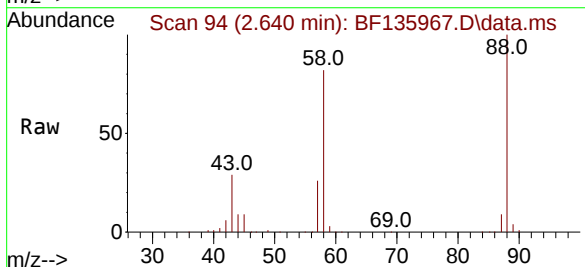
Instrument :
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 ClientSampleId :
 MMFB-4MS

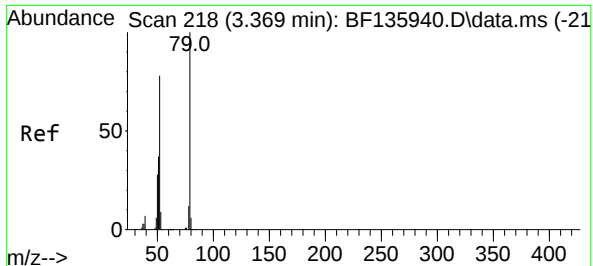
Tgt Ion:152 Resp: 176735
 Ion Ratio Lower Upper
 152 100
 150 153.1 124.6 186.8
 115 60.1 46.6 69.8



#2
 1,4-Dioxane
 Concen: 34.895 ng
 RT: 2.640 min Scan# 94
 Delta R.T. 0.023 min
 Lab File: BF135967.D
 Acq: 26 Oct 2023 17:10

Tgt Ion: 88 Resp: 185523
 Ion Ratio Lower Upper
 88 100
 58 81.7 66.6 100.0
 43 29.1 23.8 35.8

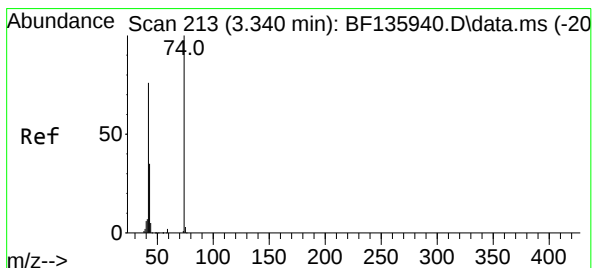
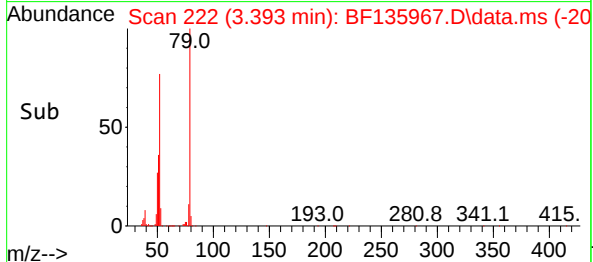
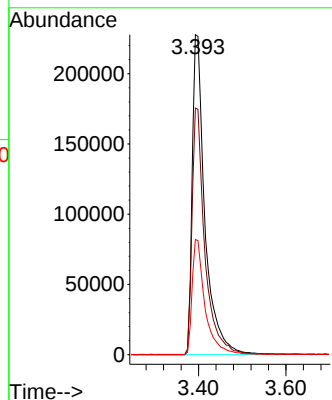
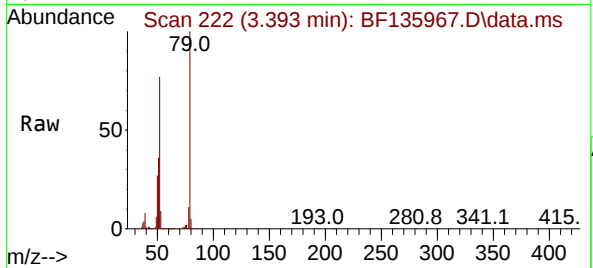




#3
Pyridine
Concen: 31.512 ng
RT: 3.393 min Scan# 218
Delta R.T. 0.024 min
Lab File: BF135967.D
Acq: 26 Oct 2023 17:10

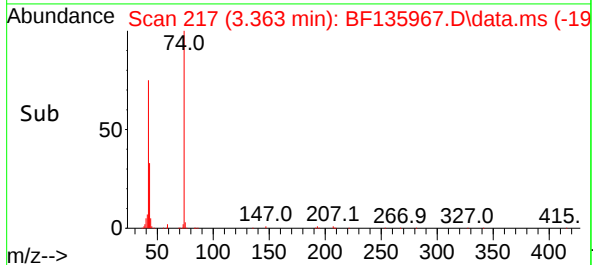
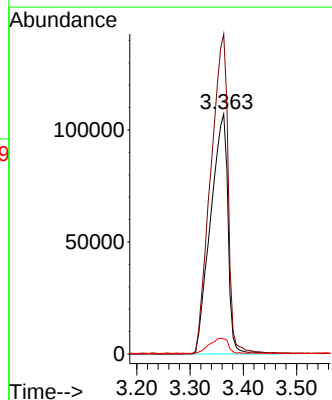
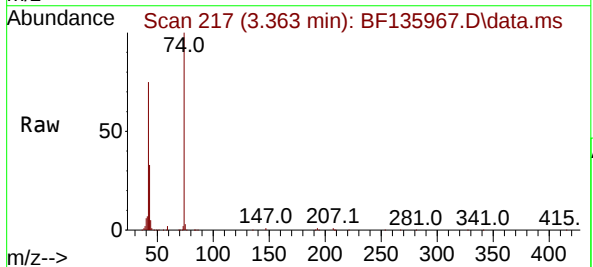
Instrument :
BNA_F
ClientSampleId :
MMFB-4MS

Tgt Ion: 79 Resp: 462432
Ion Ratio Lower Upper
79 100
52 77.1 62.6 93.8
51 36.0 29.8 44.8



#4
n-Nitrosodimethylamine
Concen: 38.033 ng
RT: 3.363 min Scan# 217
Delta R.T. 0.024 min
Lab File: BF135967.D
Acq: 26 Oct 2023 17:10

Tgt Ion: 42 Resp: 243359
Ion Ratio Lower Upper
42 100
74 133.3 104.8 157.2
44 6.4 5.9 8.9

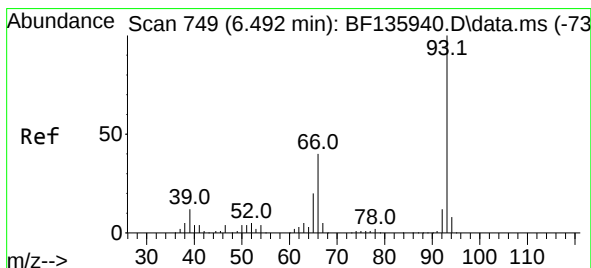
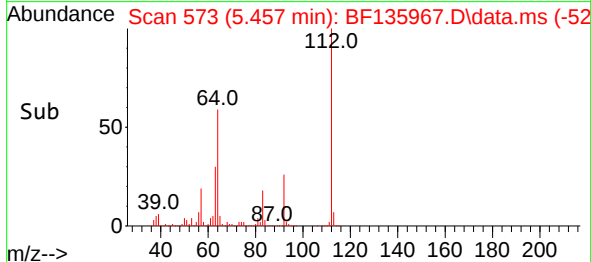
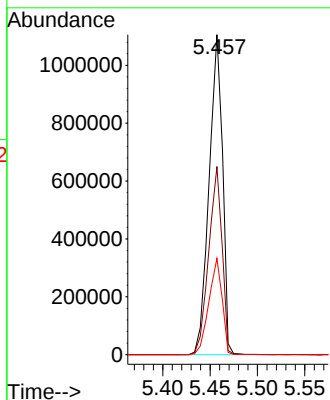
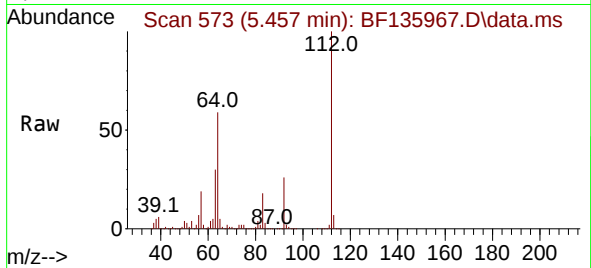




#5
2-Fluorophenol
Concen: 95.150 ng
RT: 5.457 min Scan# 51
Delta R.T. 0.006 min
Lab File: BF135967.D
Acq: 26 Oct 2023 17:10

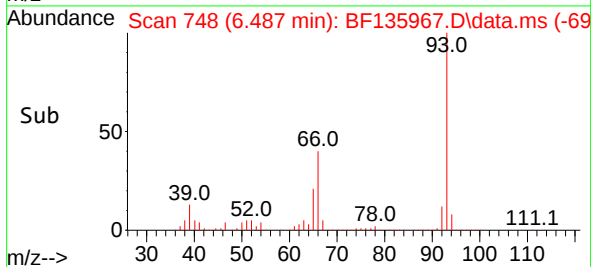
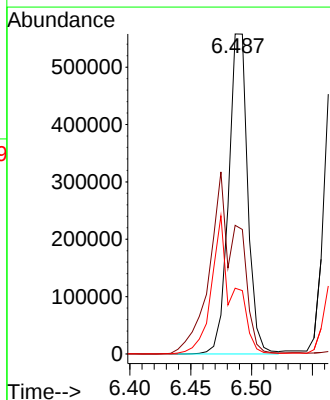
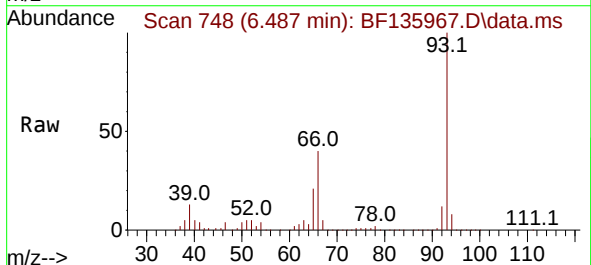
Instrument :
BNA_F
ClientSampleId :
MMFB-4MS

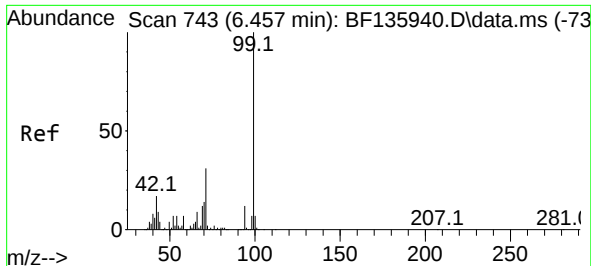
Tgt Ion:112 Resp: 1089024
Ion Ratio Lower Upper
112 100
64 58.8 45.1 67.7
63 30.1 23.0 34.4



#6
Aniline
Concen: 31.709 ng
RT: 6.487 min Scan# 748
Delta R.T. -0.006 min
Lab File: BF135967.D
Acq: 26 Oct 2023 17:10

Tgt Ion: 93 Resp: 608373
Ion Ratio Lower Upper
93 100
66 40.2 32.0 48.0
65 20.5 16.2 24.4

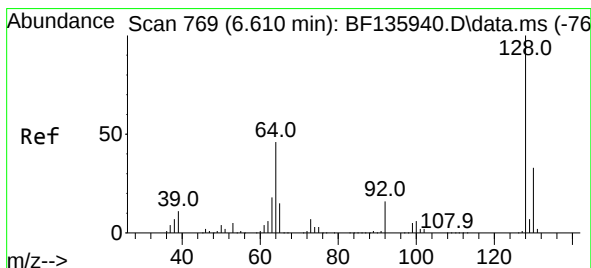
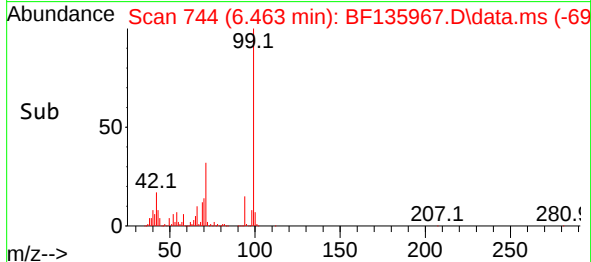
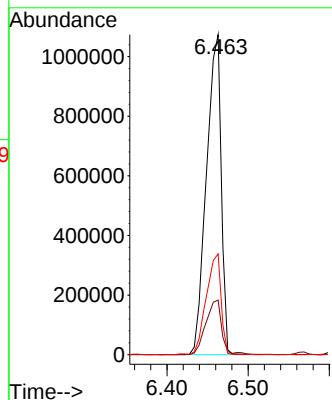
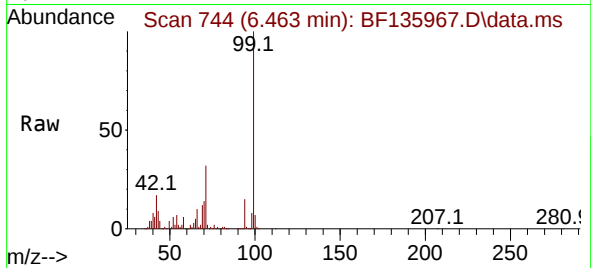




#7
Phenol-d6
Concen: 95.007 ng
RT: 6.463 min Scan# 743
Delta R.T. 0.006 min
Lab File: BF135967.D
Acq: 26 Oct 2023 17:10

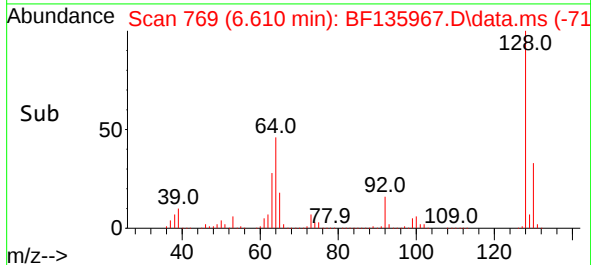
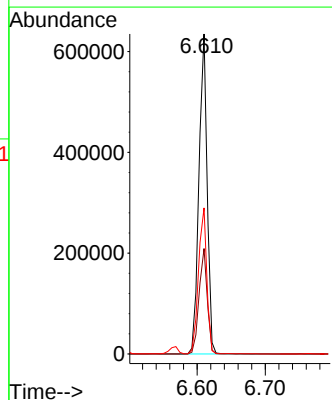
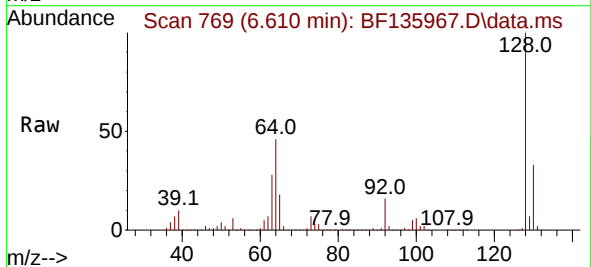
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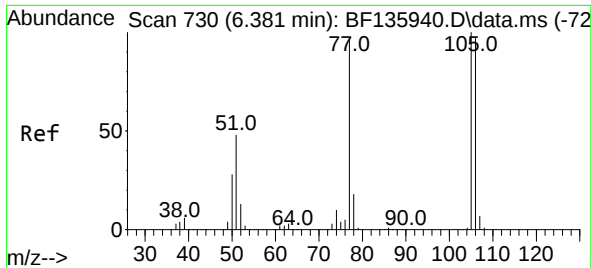
Tgt Ion: 99 Resp: 1353755
Ion Ratio Lower Upper
99 100
42 17.1 13.8 20.8
71 31.5 25.1 37.7



#8
2-Chlorophenol
Concen: 44.533 ng
RT: 6.610 min Scan# 769
Delta R.T. -0.000 min
Lab File: BF135967.D
Acq: 26 Oct 2023 17:10

Tgt Ion:128 Resp: 527646
Ion Ratio Lower Upper
128 100
130 32.9 13.1 53.1
64 45.6 27.0 67.0





#9

Benzaldehyde

Concen: 19.795 ng

RT: 6.375 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF135967.D

Acq: 26 Oct 2023 17:10

Instrument :

BNA_F

ClientSampleId :

MMFB-4MS

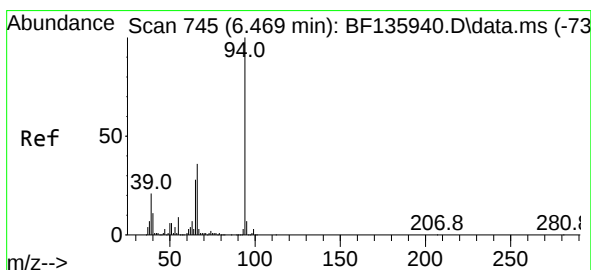
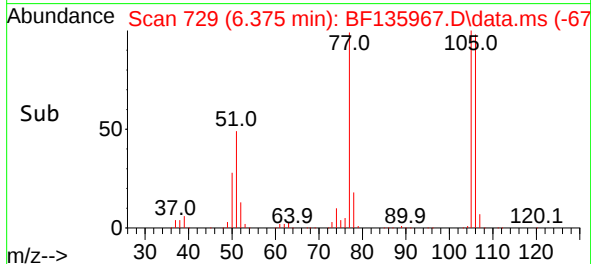
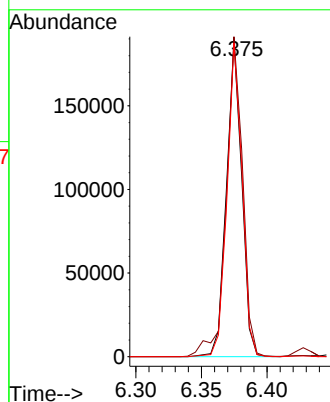
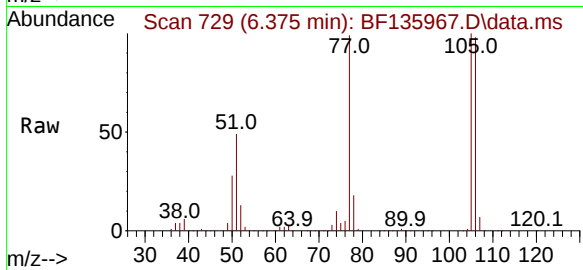
Tgt Ion: 77 Resp: 152581

Ion Ratio Lower Upper

77 100

105 101.2 83.2 123.2

106 99.2 80.0 120.0



#10

Phenol

Concen: 43.717 ng

RT: 6.475 min Scan# 746

Delta R.T. 0.006 min

Lab File: BF135967.D

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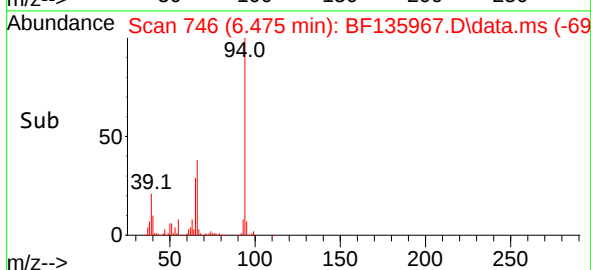
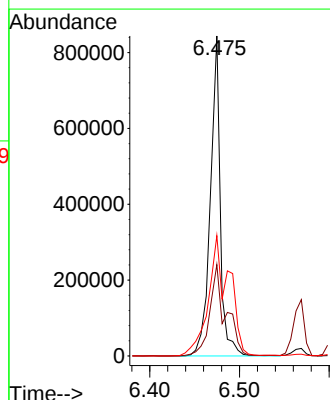
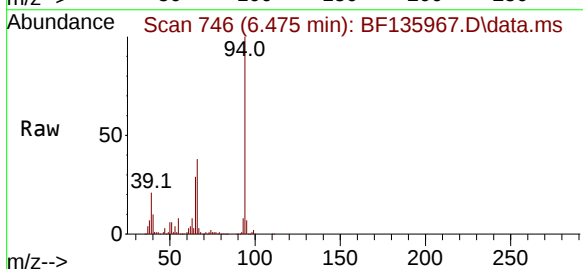
Tgt Ion: 94 Resp: 651218

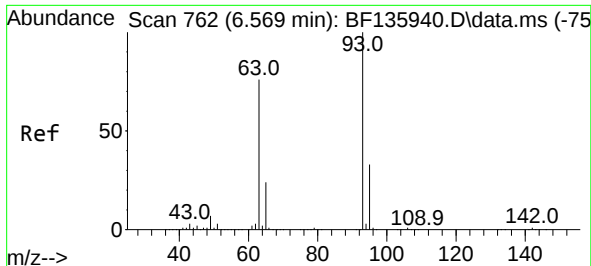
Ion Ratio Lower Upper

94 100

65 28.6 7.8 47.8

66 37.6 16.5 56.5

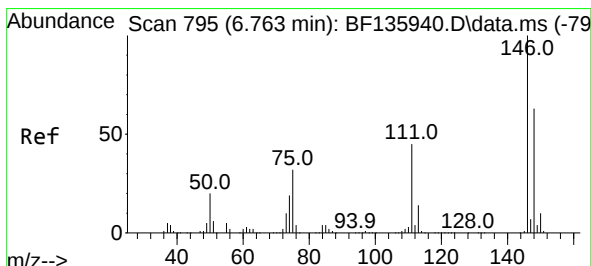
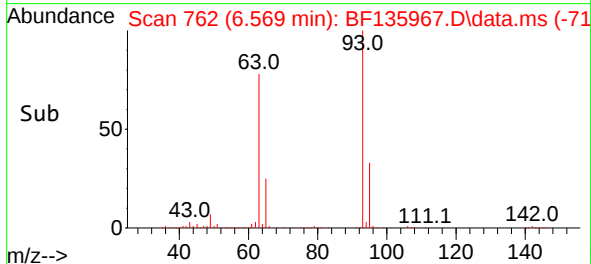
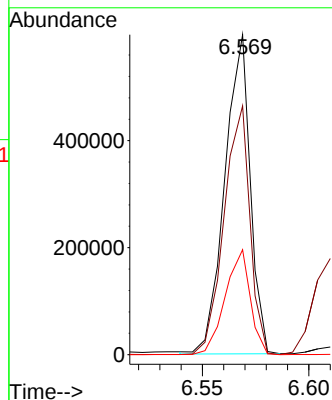
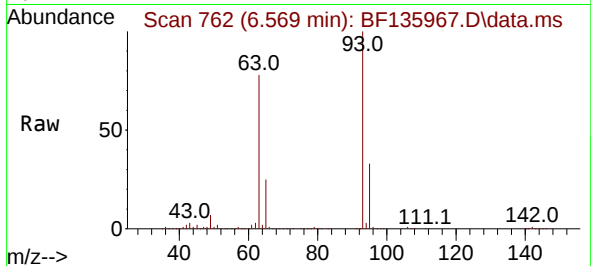




#11
bis(2-Chloroethyl)ether
Concen: 42.690 ng
RT: 6.569 min Scan# 762
Delta R.T. -0.000 min
Lab File: BF135967.D
Acq: 26 Oct 2023 17:10

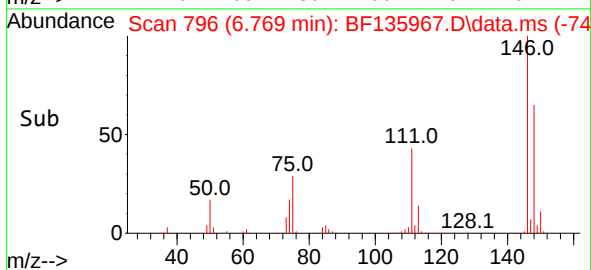
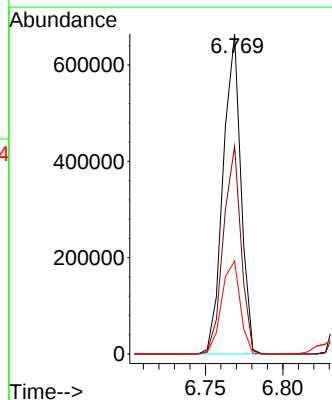
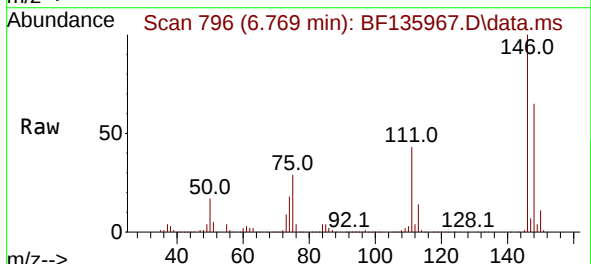
Instrument :
BNA_F
ClientSampleId :
MMFB-4MS

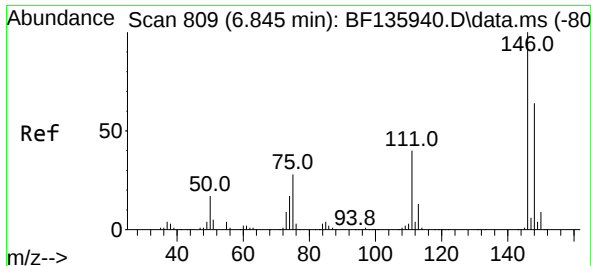
Tgt Ion: 93 Resp: 494988
Ion Ratio Lower Upper
93 100
63 77.8 56.2 96.2
95 32.8 12.9 52.9



#12
1,3-Dichlorobenzene
Concen: 42.086 ng
RT: 6.769 min Scan# 796
Delta R.T. 0.006 min
Lab File: BF135967.D
Acq: 26 Oct 2023 17:10

Tgt Ion:146 Resp: 529666
Ion Ratio Lower Upper
146 100
148 64.9 50.2 75.4
75 29.1 25.9 38.9

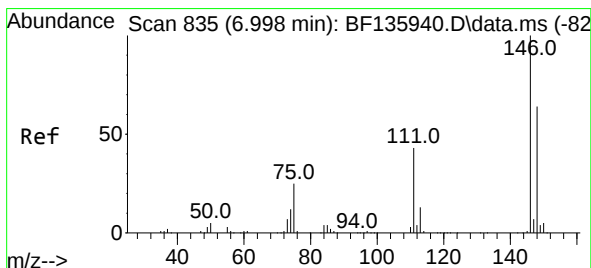
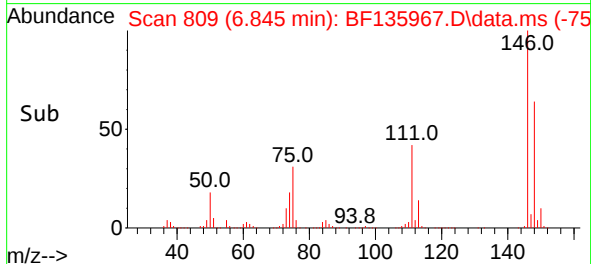
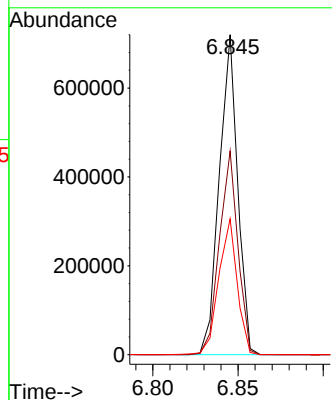
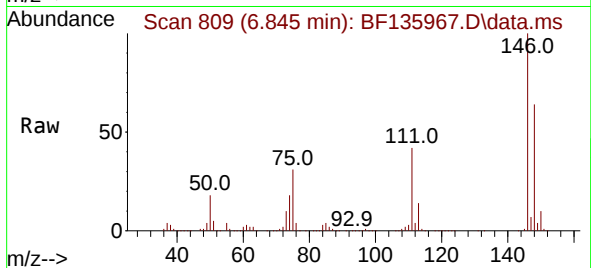




#13
1,4-Dichlorobenzene
Concen: 42.801 ng
RT: 6.845 min Scan# 809
Delta R.T. -0.000 min
Lab File: BF135967.D
Acq: 26 Oct 2023 17:10

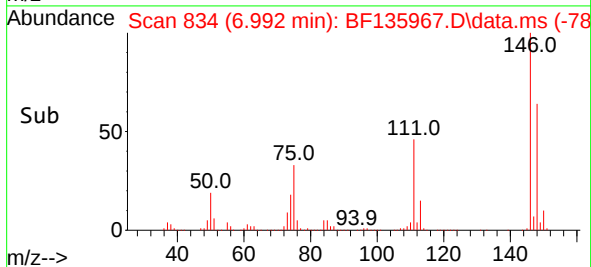
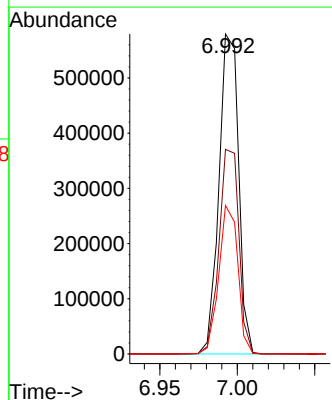
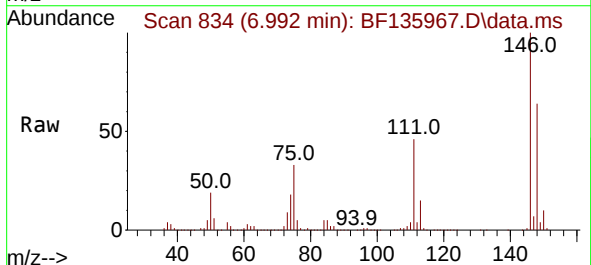
Instrument :
BNA_F
ClientSampleId :
MMFB-4MS

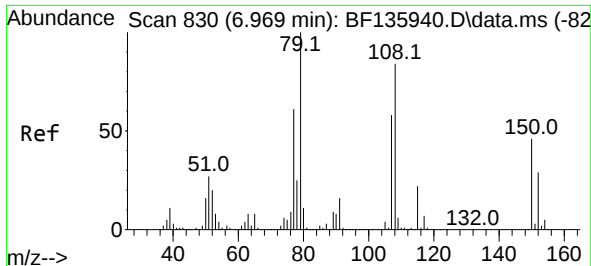
Tgt Ion:146 Resp: 540989
Ion Ratio Lower Upper
146 100
148 63.6 51.4 77.2
111 42.4 31.8 47.8



#14
1,2-Dichlorobenzene
Concen: 43.554 ng
RT: 6.992 min Scan# 834
Delta R.T. -0.006 min
Lab File: BF135967.D
Acq: 26 Oct 2023 17:10

Tgt Ion:146 Resp: 511209
Ion Ratio Lower Upper
146 100
148 64.0 51.4 77.0
111 46.4 34.2 51.4

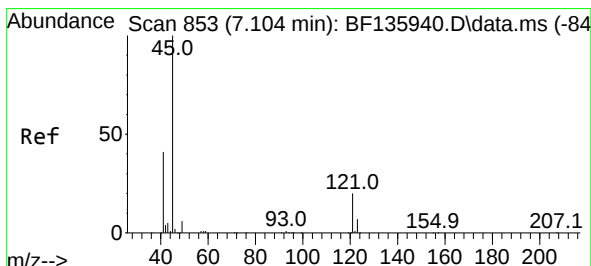
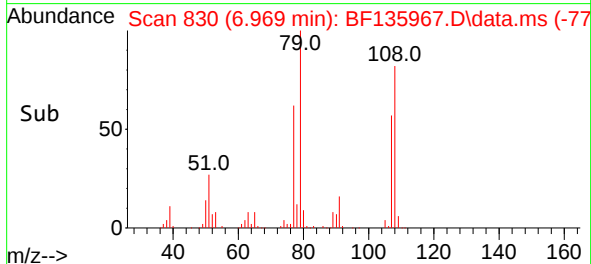
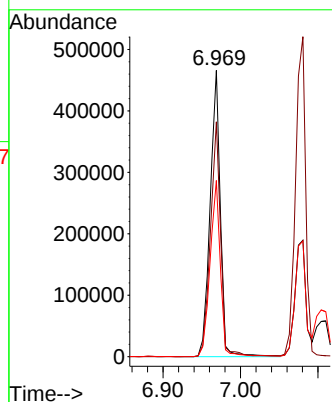
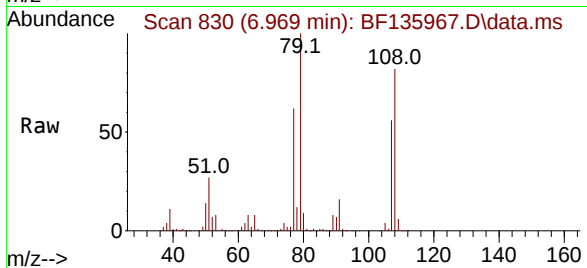




#15
Benzyl Alcohol
Concen: 42.352 ng
RT: 6.969 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF135967.D
Acq: 26 Oct 2023 17:10

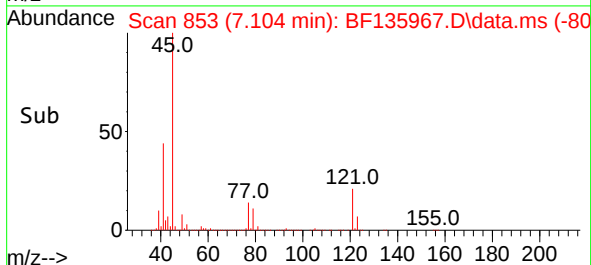
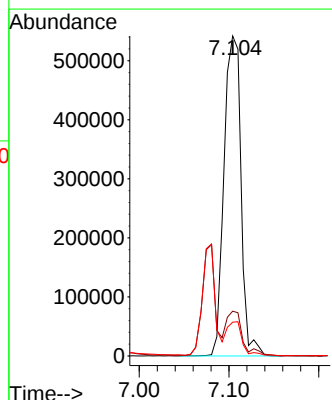
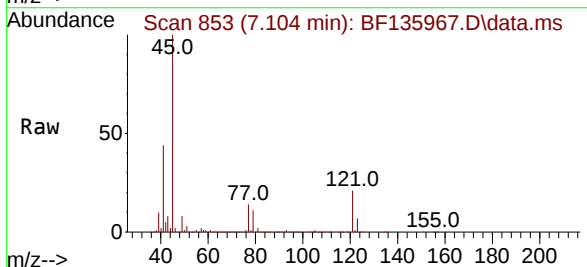
Instrument :
BNA_F
ClientSampleId :
MMFB-4MS

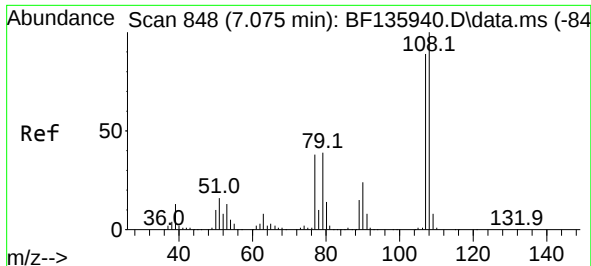
Tgt Ion: 79 Resp: 426603
Ion Ratio Lower Upper
79 100
108 82.1 67.2 100.8
77 61.5 49.0 73.6



#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.697 ng
RT: 7.104 min Scan# 853
Delta R.T. -0.000 min
Lab File: BF135967.D
Acq: 26 Oct 2023 17:10

Tgt Ion: 45 Resp: 712000
Ion Ratio Lower Upper
45 100
77 14.0 0.0 33.2
79 10.6 0.0 29.8

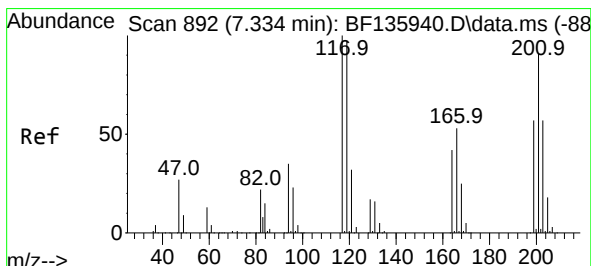
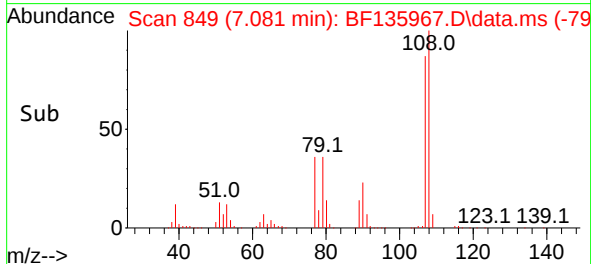
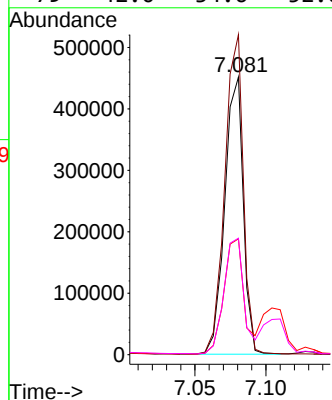
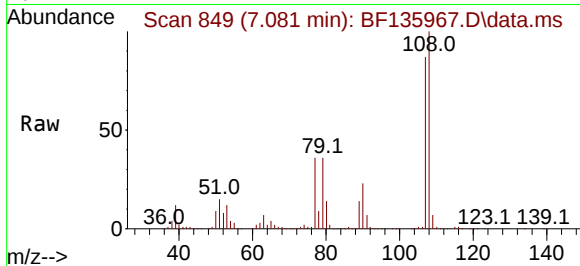




#17
2-Methylphenol
Concen: 39.239 ng
RT: 7.081 min Scan# 84
Delta R.T. 0.006 min
Lab File: BF135967.D
Acq: 26 Oct 2023 17:10

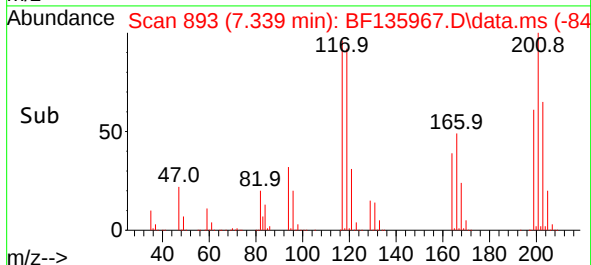
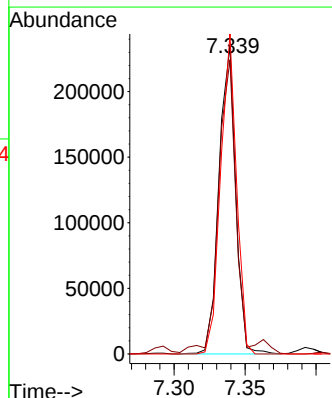
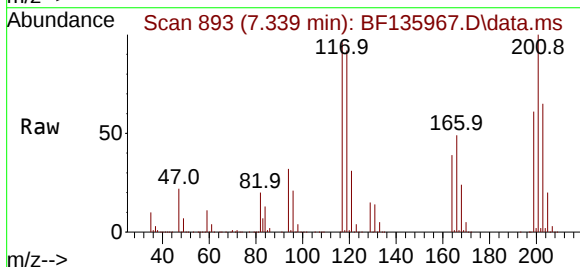
Instrument :
BNA_F
ClientSampleId :
MMFB-4MS

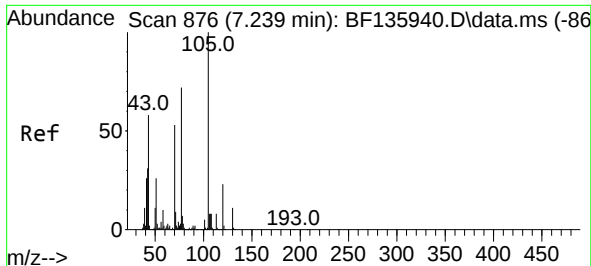
Tgt Ion:	107	Resp:	409765
Ion	Ratio	Lower	Upper
107	100		
108	115.3	89.8	134.6
77	41.7	34.2	51.2
79	42.0	34.6	52.0



#18
Hexachloroethane
Concen: 44.793 ng
RT: 7.339 min Scan# 893
Delta R.T. 0.006 min
Lab File: BF135967.D
Acq: 26 Oct 2023 17:10

Tgt Ion:	117	Resp:	192517
Ion	Ratio	Lower	Upper
117	100		
119	95.5	77.3	115.9
201	103.9	72.8	109.2

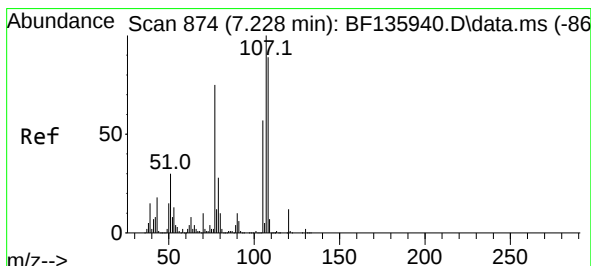
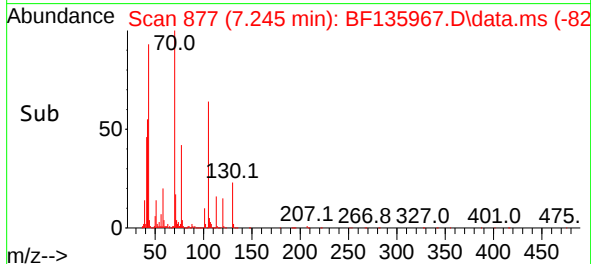
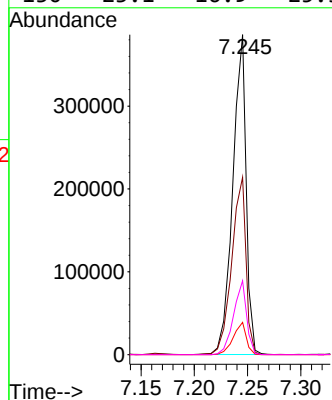
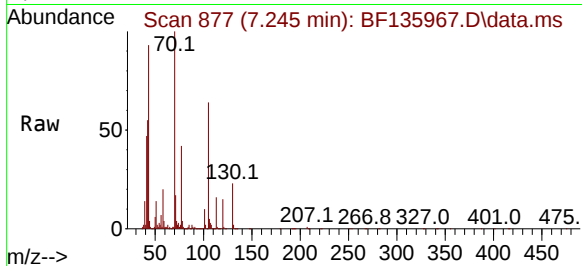




#19
n-Nitroso-di-n-propylamine
Concen: 41.729 ng
RT: 7.245 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF135967.D
Acq: 26 Oct 2023 17:10

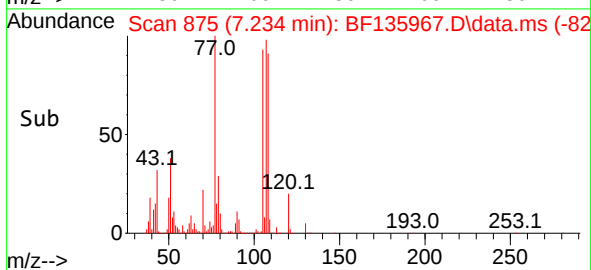
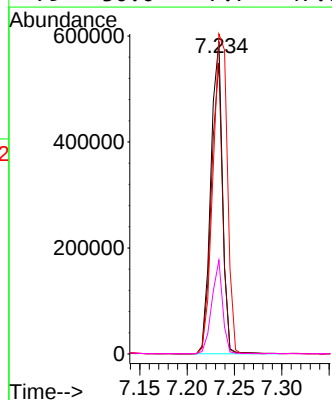
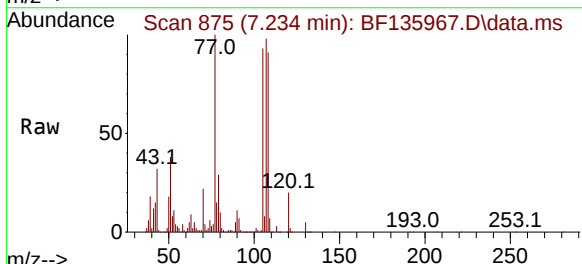
Instrument :
BNA_F
ClientSampleId :
MMFB-4MS

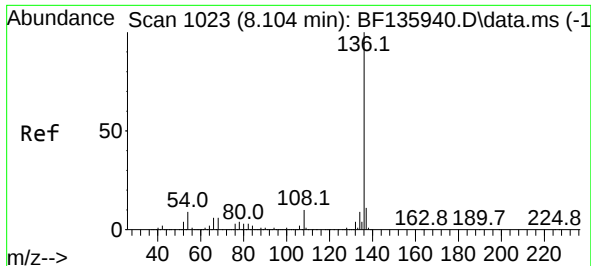
Tgt Ion: 70 Resp: 338123
Ion Ratio Lower Upper
70 100
42 55.5 47.3 70.9
101 10.1 7.8 11.8
130 23.1 16.9 25.3



#20
3+4-Methylphenols
Concen: 39.936 ng
RT: 7.234 min Scan# 875
Delta R.T. 0.006 min
Lab File: BF135967.D
Acq: 26 Oct 2023 17:10

Tgt Ion: 107 Resp: 503340
Ion Ratio Lower Upper
107 100
108 93.1 69.1 109.1
77 102.4 55.0 95.0#
79 30.0 7.7 47.7

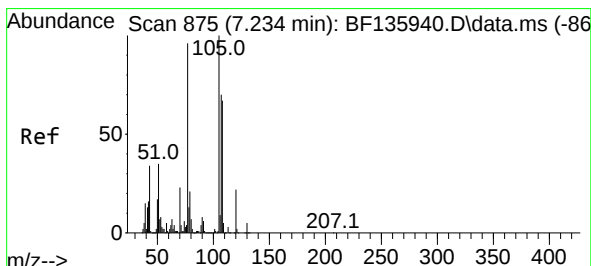
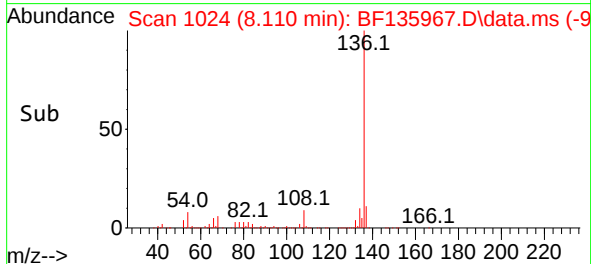
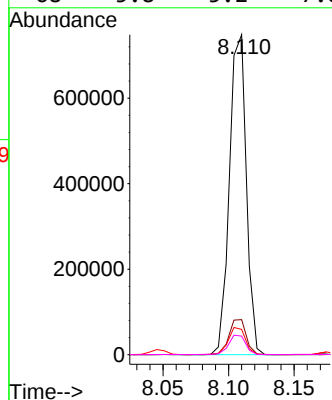
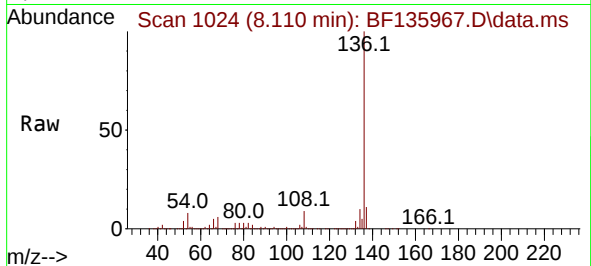




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1024
Delta R.T. 0.006 min
Lab File: BF135967.D
Acq: 26 Oct 2023 17:10

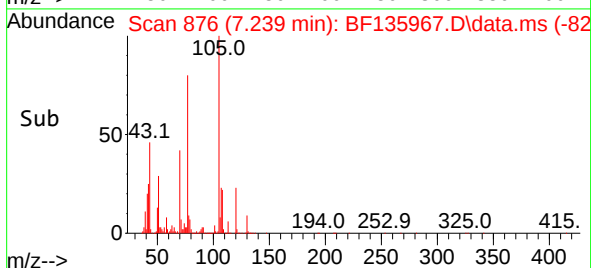
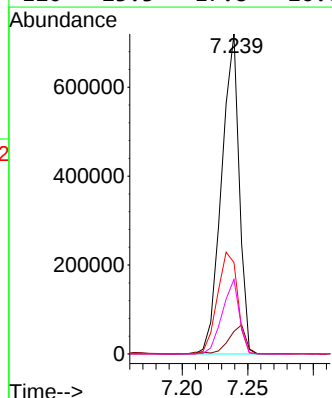
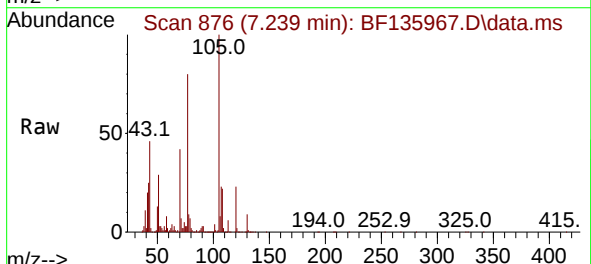
Instrument :
BNA_F
ClientSampleId :
MMFB-4MS

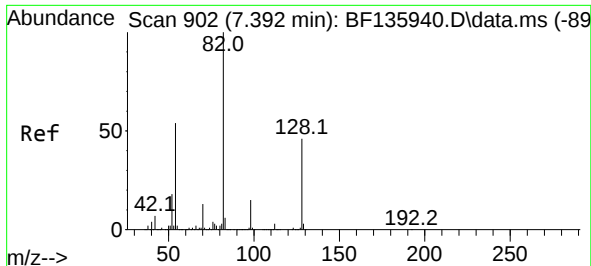
Tgt Ion:136 Resp: 671219
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.6
54 7.9 7.1 10.7
68 5.8 5.2 7.8



#22
Acetophenone
Concen: 44.431 ng
RT: 7.239 min Scan# 876
Delta R.T. 0.006 min
Lab File: BF135967.D
Acq: 26 Oct 2023 17:10

Tgt Ion:105 Resp: 673572
Ion Ratio Lower Upper
105 100
71 7.1 3.4 5.2#
51 28.6 28.4 42.6
120 23.3 17.8 26.6





#23

Nitrobenzene-d5

Concen: 75.672 ng

RT: 7.392 min Scan# 902

Delta R.T. 0.000 min

Lab File: BF135967.D

Acq: 26 Oct 2023 17:10

Instrument :

BNA_F

ClientSampleId :

MMFB-4MS

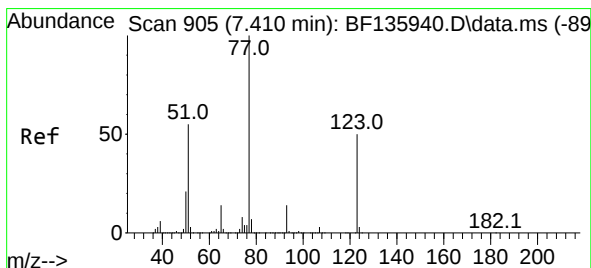
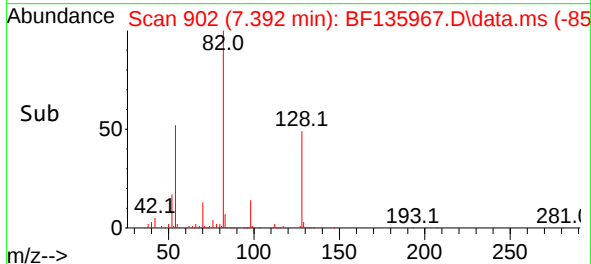
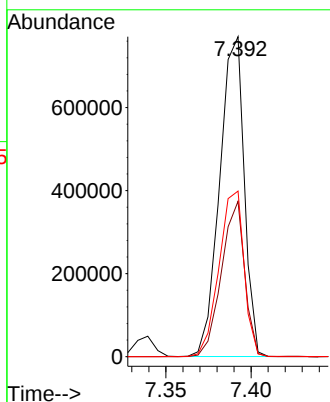
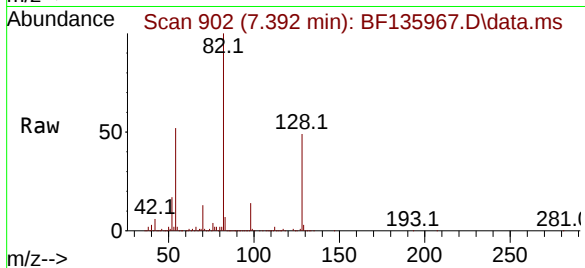
Tgt Ion: 82 Resp: 773929

Ion Ratio Lower Upper

82 100

128 48.6 36.8 55.2

54 51.7 43.4 65.0



#24

Nitrobenzene

Concen: 45.227 ng

RT: 7.410 min Scan# 905

Delta R.T. -0.000 min

Lab File: BF135967.D

Acq: 26 Oct 2023 17:10

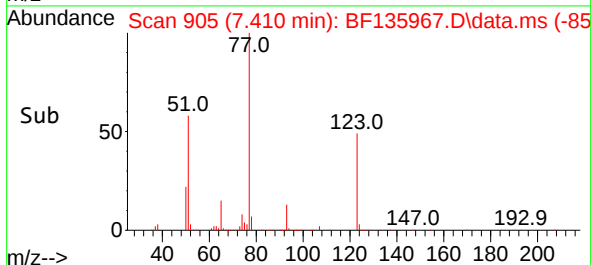
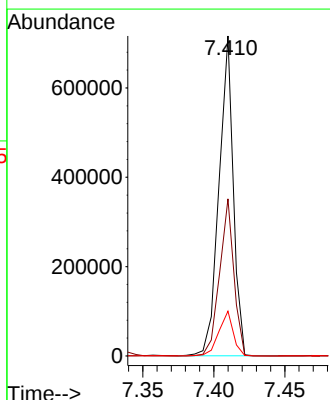
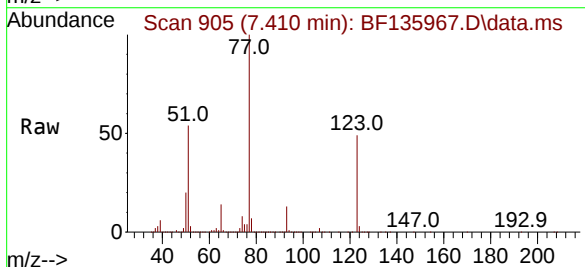
Tgt Ion: 77 Resp: 500975

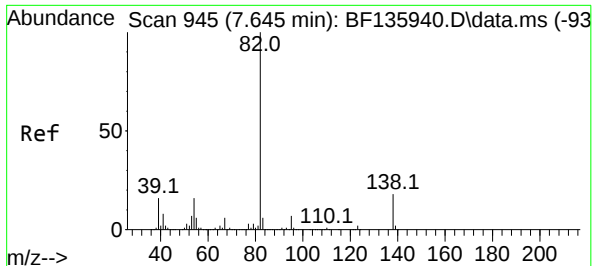
Ion Ratio Lower Upper

77 100

123 49.1 40.2 60.2

65 14.0 11.0 16.4

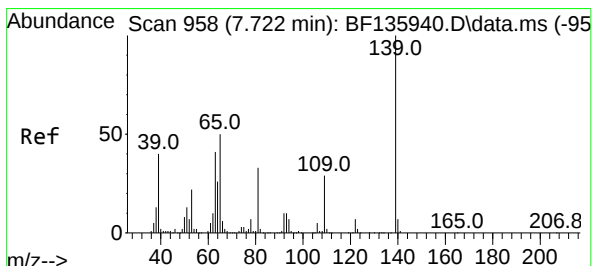
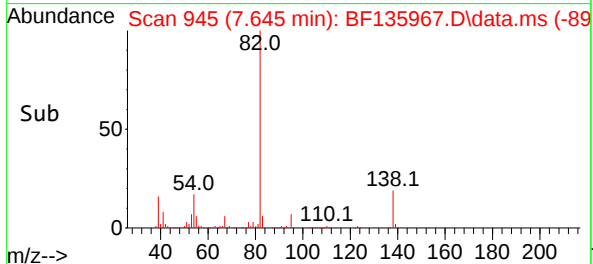
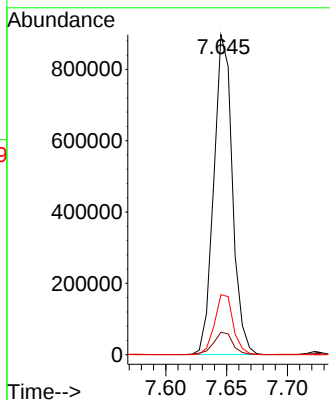
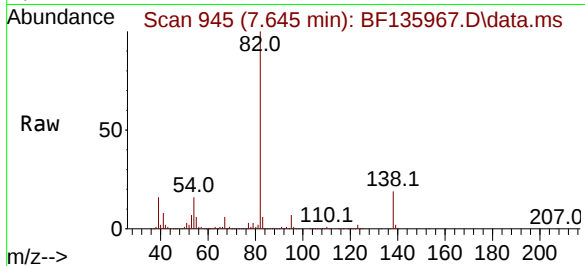




#25
Isophorone
Concen: 44.855 ng
RT: 7.645 min Scan# 945
Delta R.T. -0.000 min
Lab File: BF135967.D
Acq: 26 Oct 2023 17:10

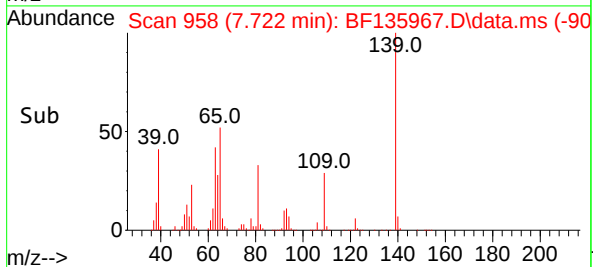
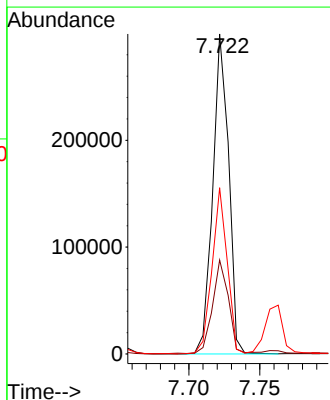
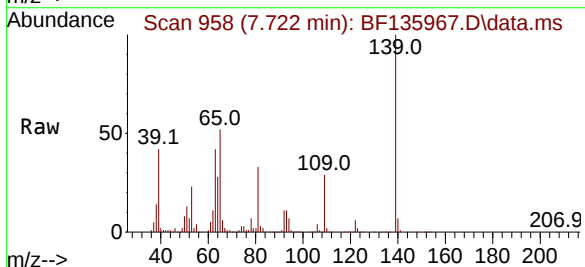
Instrument :
BNA_F
ClientSampleId :
MMFB-4MS

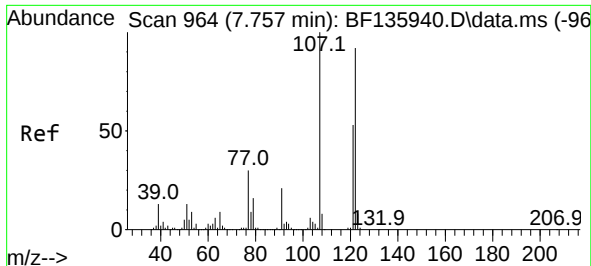
Tgt Ion: 82 Resp: 951665
Ion Ratio Lower Upper
82 100
95 7.0 5.6 8.4
138 18.7 14.8 22.2



#26
2-Nitrophenol
Concen: 55.412 ng
RT: 7.722 min Scan# 958
Delta R.T. -0.000 min
Lab File: BF135967.D
Acq: 26 Oct 2023 17:10

Tgt Ion:139 Resp: 231533
Ion Ratio Lower Upper
139 100
109 29.4 23.1 34.7
65 51.9 39.8 59.8

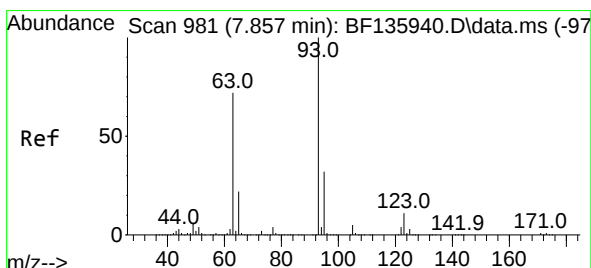
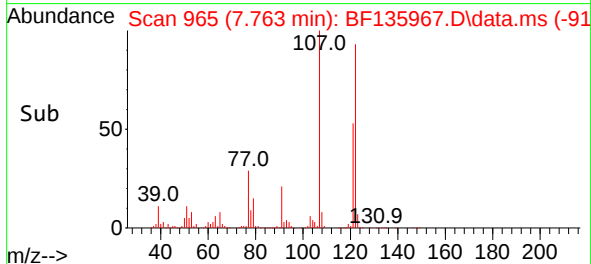
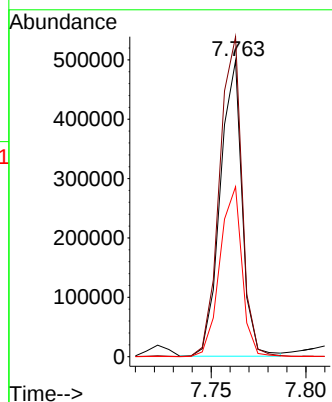
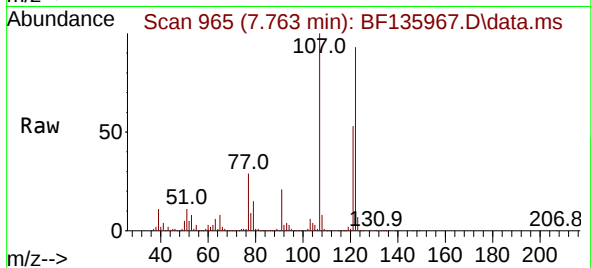




#27
2,4-Dimethylphenol
Concen: 41.422 ng
RT: 7.763 min Scan# 90
Delta R.T. 0.006 min
Lab File: BF135967.D
Acq: 26 Oct 2023 17:10

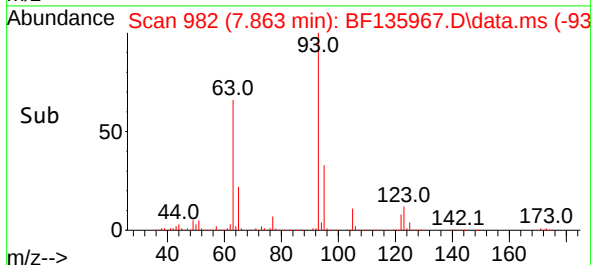
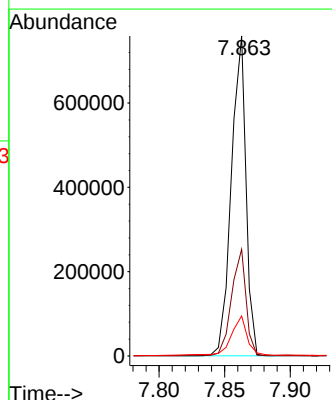
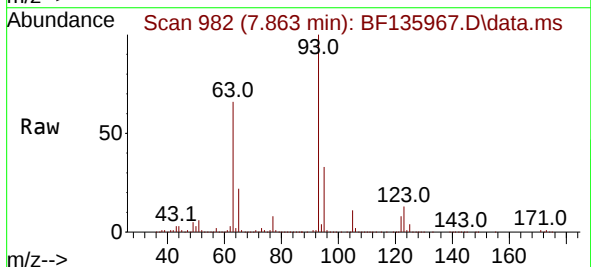
Instrument :
BNA_F
ClientSampleId :
MMFB-4MS

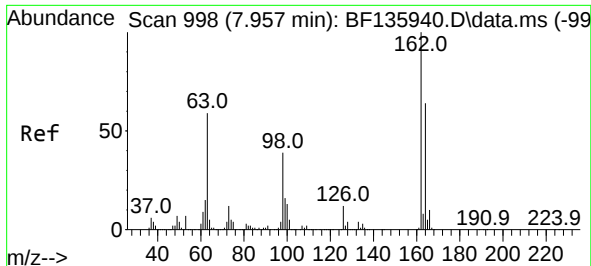
Tgt Ion:122 Resp: 400540
Ion Ratio Lower Upper
122 100
107 108.1 87.1 130.7
121 57.4 45.9 68.9



#28
bis(2-Chloroethoxy)methane
Concen: 45.221 ng
RT: 7.863 min Scan# 982
Delta R.T. 0.006 min
Lab File: BF135967.D
Acq: 26 Oct 2023 17:10

Tgt Ion: 93 Resp: 589166
Ion Ratio Lower Upper
93 100
95 33.3 25.9 38.9
123 12.5 9.0 13.6





#29

2,4-Dichlorophenol

Concen: 47.934 ng

RT: 7.963 min Scan# 998

Delta R.T. 0.006 min

Lab File: BF135967.D

Acq: 26 Oct 2023 17:10

Instrument :

BNA_F

ClientSampleId :

MMFB-4MS

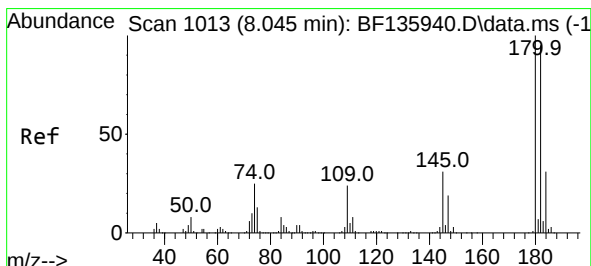
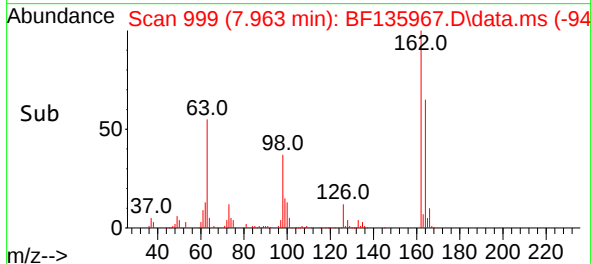
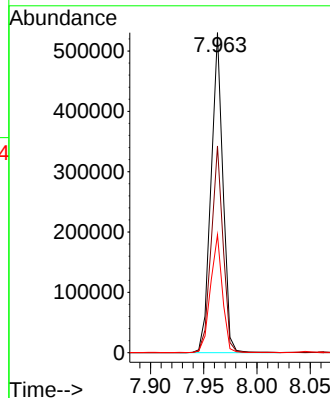
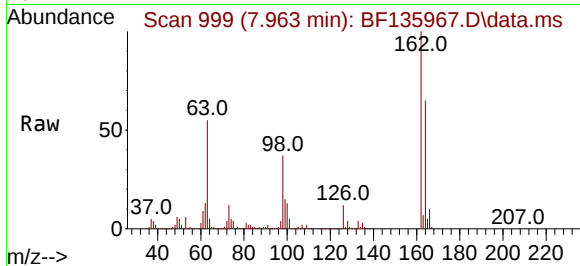
Tgt Ion:162 Resp: 415065

Ion Ratio Lower Upper

162 100

164 64.6 43.7 83.7

98 36.9 18.8 58.8



#30

1,2,4-Trichlorobenzene

Concen: 45.385 ng

RT: 8.045 min Scan# 1013

Delta R.T. -0.000 min

Lab File: BF135967.D

Acq: 26 Oct 2023 17:10

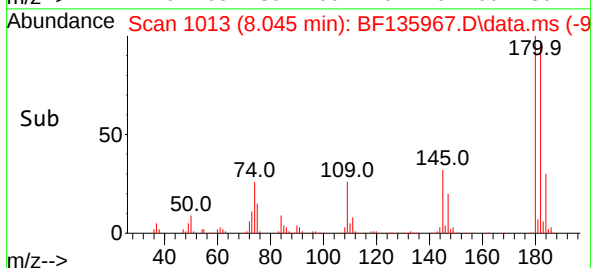
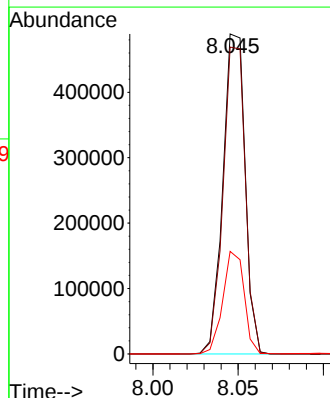
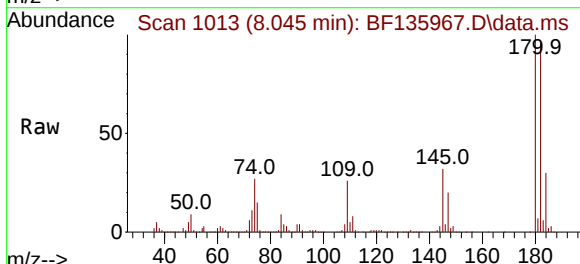
Tgt Ion:180 Resp: 444955

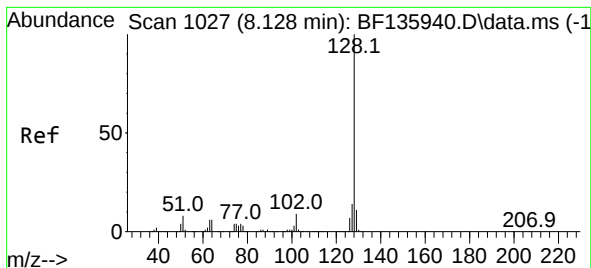
Ion Ratio Lower Upper

180 100

182 95.9 76.0 114.0

145 32.1 24.6 36.8





#31

Naphthalene

Concen: 45.083 ng

RT: 8.128 min Scan# 10

Delta R.T. -0.000 min

Lab File: BF135967.D

Acq: 26 Oct 2023 17:10

Instrument :

BNA_F

ClientSampleId :

MMFB-4MS

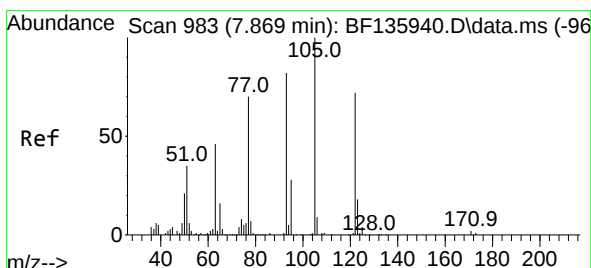
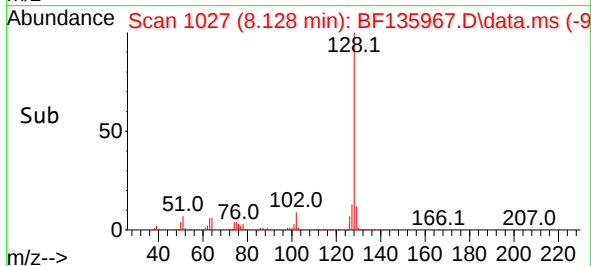
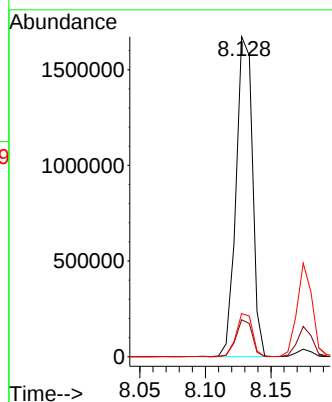
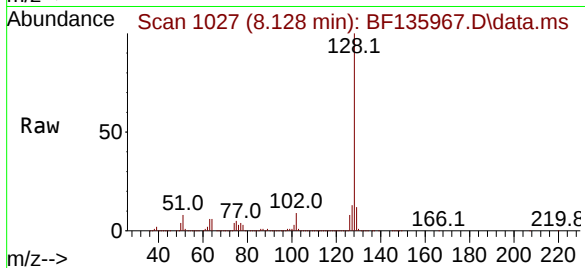
Tgt Ion:128 Resp: 1463019

Ion Ratio Lower Upper

128 100

129 11.6 9.0 13.6

127 13.4 10.9 16.3



#32

Benzoic acid

Concen: 46.317 ng

RT: 7.875 min Scan# 984

Delta R.T. 0.006 min

Lab File: BF135967.D

Acq: 26 Oct 2023 17:10

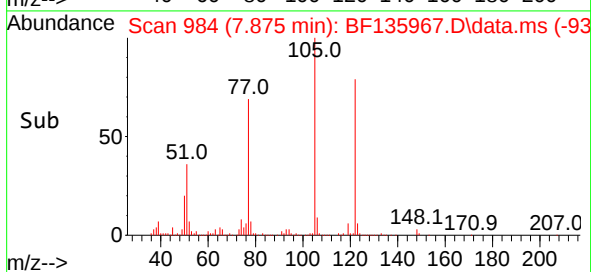
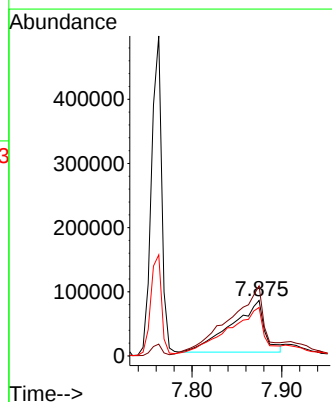
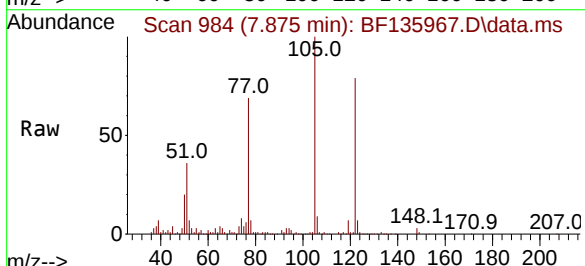
Tgt Ion:122 Resp: 209279

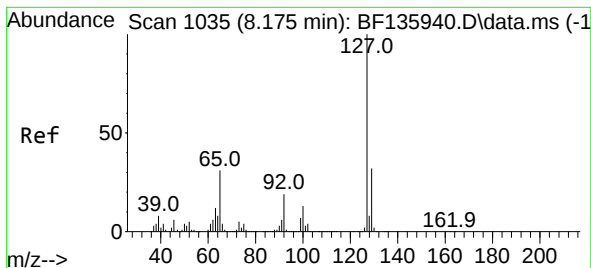
Ion Ratio Lower Upper

122 100

105 126.2 113.1 153.1

77 87.4 75.2 115.2





#33

4-Chloroaniline

Concen: 27.770 ng

RT: 8.175 min Scan# 1035

Delta R.T. -0.000 min

Lab File: BF135967.D

Acq: 26 Oct 2023 17:10

Instrument :

BNA_F

ClientSampleId :

MMFB-4MS

Tgt Ion:127 Resp: 398314

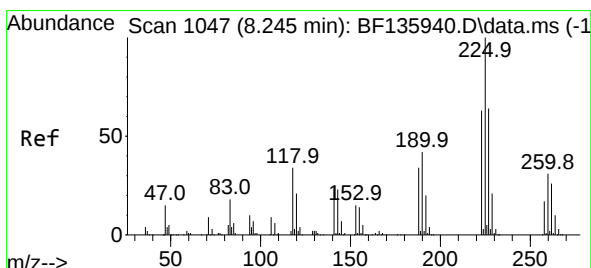
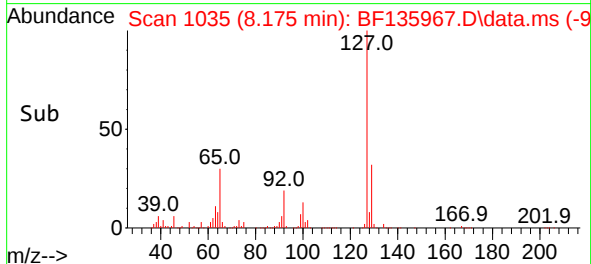
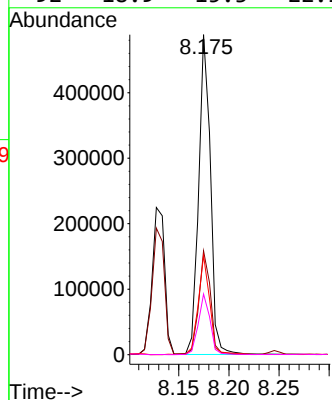
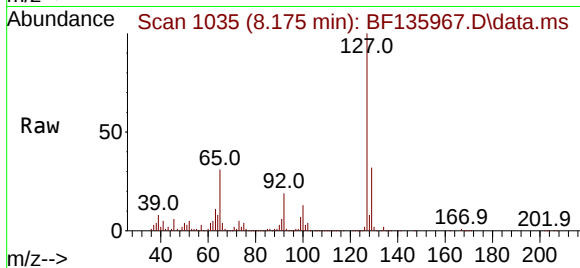
Ion Ratio Lower Upper

127 100

129 32.4 25.7 38.5

65 31.0 24.8 37.2

92 18.9 15.3 22.9



#34

Hexachlorobutadiene

Concen: 46.152 ng

RT: 8.245 min Scan# 1047

Delta R.T. -0.000 min

Lab File: BF135967.D

Acq: 26 Oct 2023 17:10

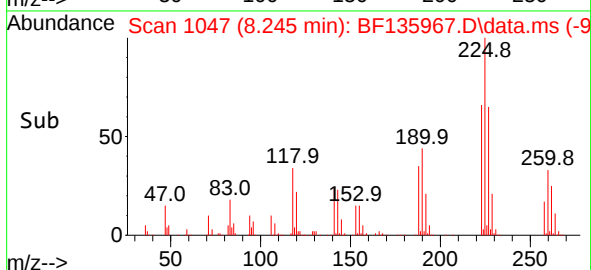
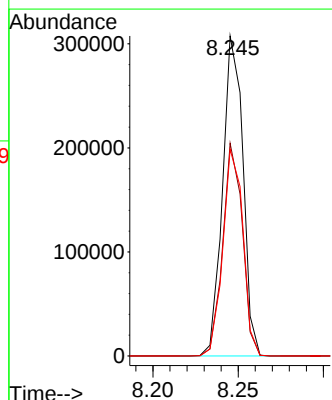
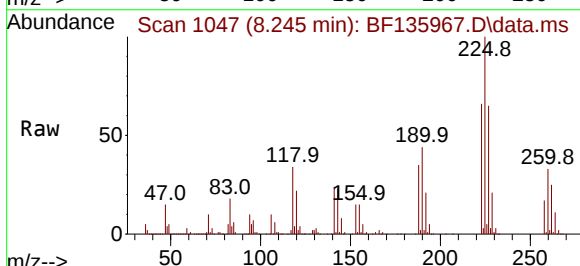
Tgt Ion:225 Resp: 255038

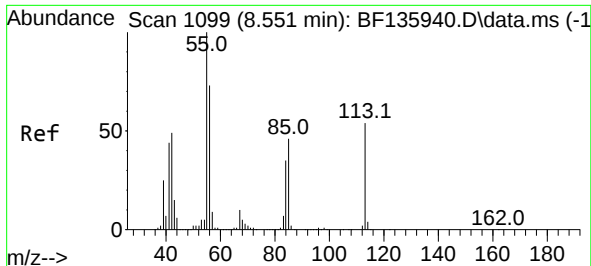
Ion Ratio Lower Upper

225 100

223 66.4 50.6 75.8

227 64.5 50.9 76.3

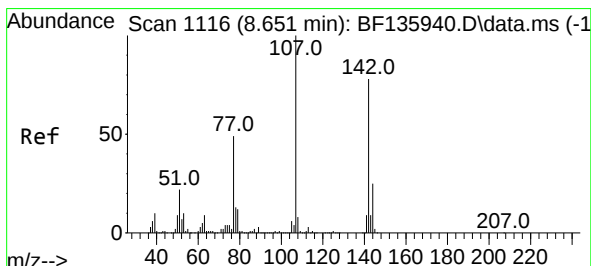
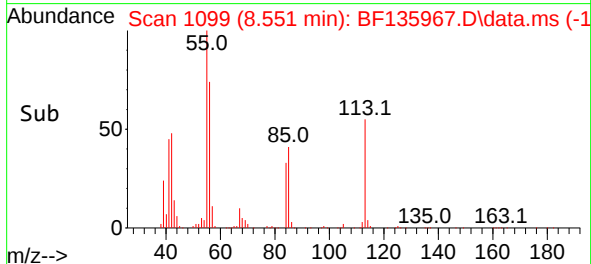
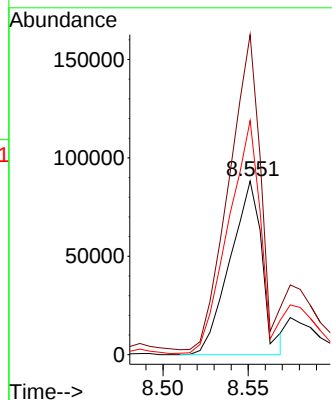
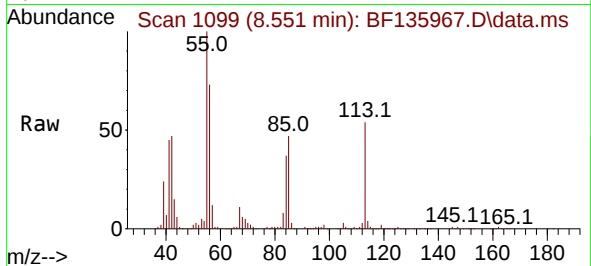




#35
Caprolactam
Concen: 39.970 ng
RT: 8.551 min Scan# 1099
Delta R.T. -0.000 min
Lab File: BF135967.D
Acq: 26 Oct 2023 17:10

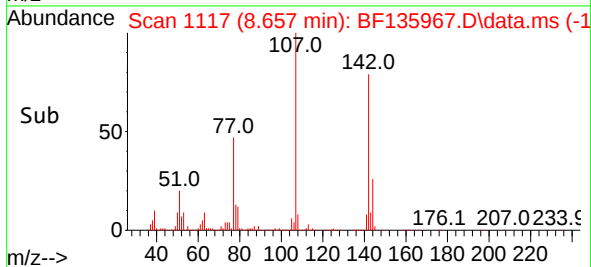
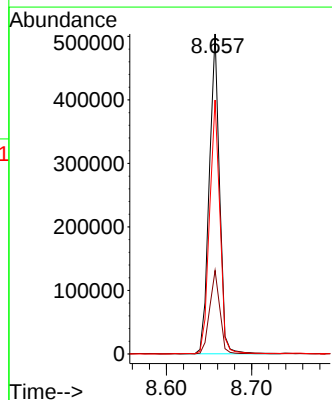
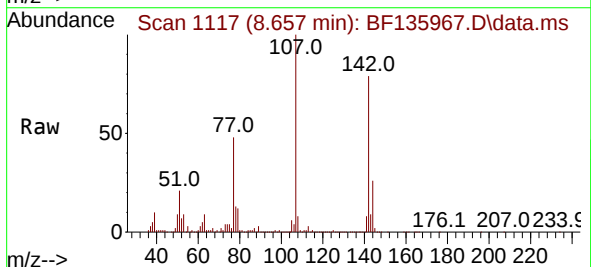
Instrument :
BNA_F
ClientSampleId :
MMFB-4MS

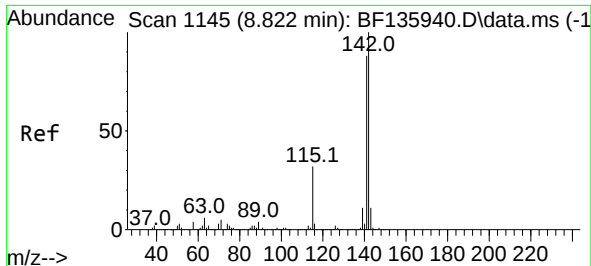
Tgt Ion:113 Resp: 115175
Ion Ratio Lower Upper
113 100
55 184.4 165.4 205.4
56 134.9 115.2 155.2



#36
4-Chloro-3-methylphenol
Concen: 45.739 ng
RT: 8.657 min Scan# 1117
Delta R.T. 0.006 min
Lab File: BF135967.D
Acq: 26 Oct 2023 17:10

Tgt Ion:107 Resp: 420888
Ion Ratio Lower Upper
107 100
144 26.1 19.9 29.9
142 79.3 62.8 94.2

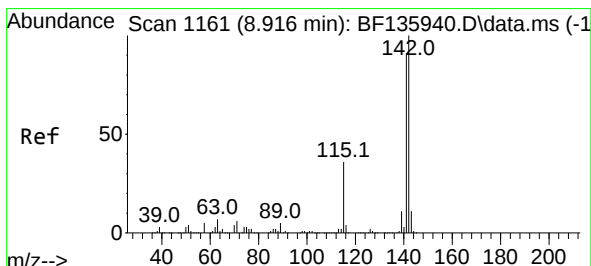
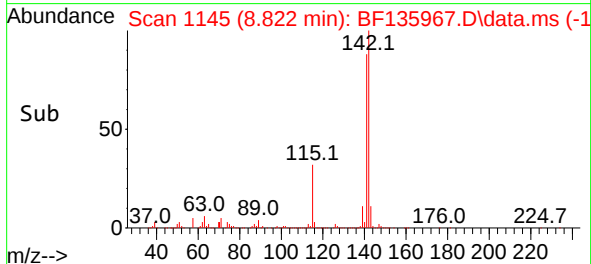
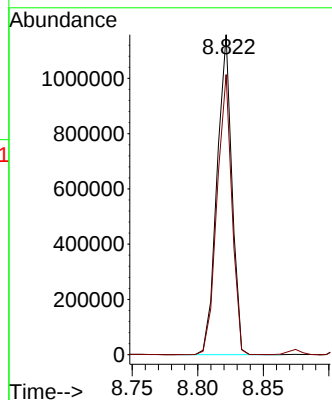
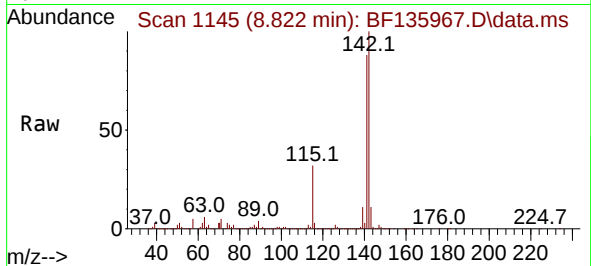




#37
2-Methylnaphthalene
Concen: 42.583 ng
RT: 8.822 min Scan# 1145
Delta R.T. -0.000 min
Lab File: BF135967.D
Acq: 26 Oct 2023 17:10

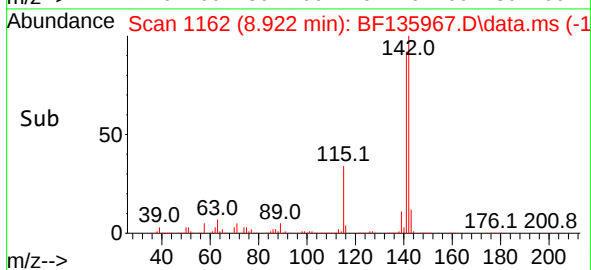
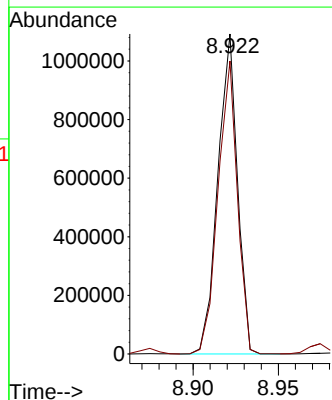
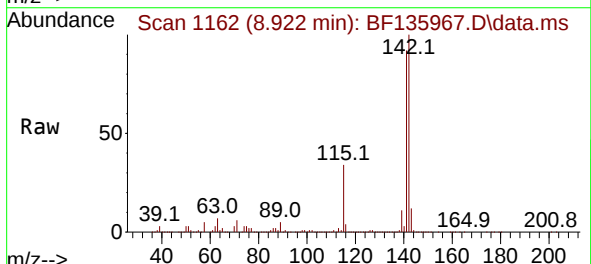
Instrument :
BNA_F
ClientSampleId :
MMFB-4MS

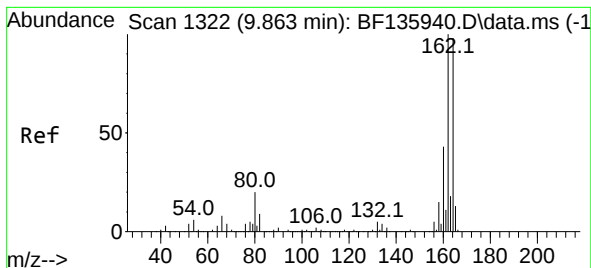
Tgt Ion:142 Resp: 914304
Ion Ratio Lower Upper
142 100
141 87.5 70.4 105.6



#38
1-Methylnaphthalene
Concen: 43.503 ng
RT: 8.922 min Scan# 1162
Delta R.T. 0.006 min
Lab File: BF135967.D
Acq: 26 Oct 2023 17:10

Tgt Ion:142 Resp: 872788
Ion Ratio Lower Upper
142 100
141 91.5 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.863 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF135967.D

Acq: 26 Oct 2023 17:10

Instrument :

BNA_F

ClientSampleId :

MMFB-4MS

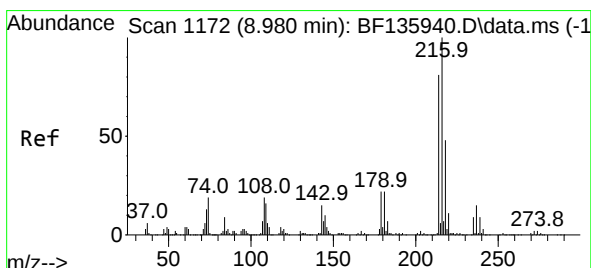
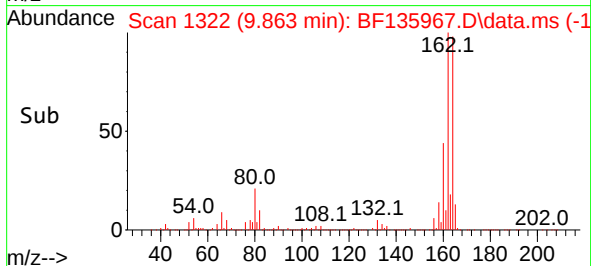
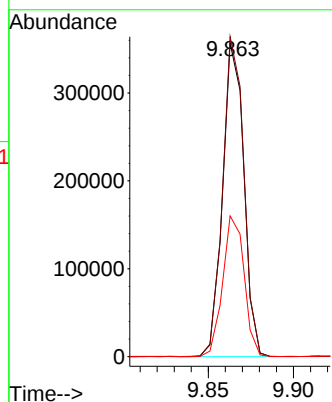
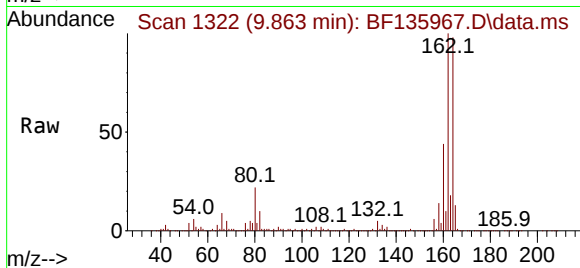
Tgt Ion:164 Resp: 308909

Ion Ratio Lower Upper

164 100

162 102.0 82.0 123.0

160 44.9 35.6 53.4



#40

1,2,4,5-Tetrachlorobenzene

Concen: 47.908 ng

RT: 8.986 min Scan# 1173

Delta R.T. 0.006 min

Lab File: BF135967.D

Acq: 26 Oct 2023 17:10

Tgt Ion:216 Resp: 417985

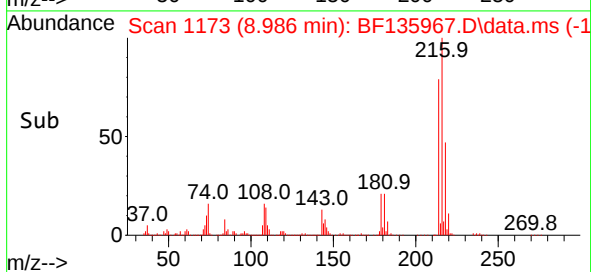
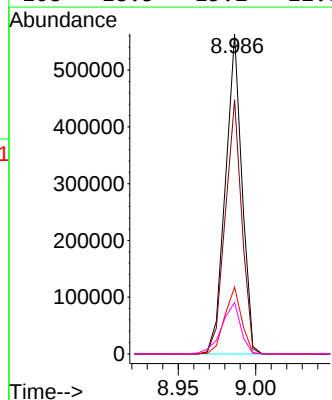
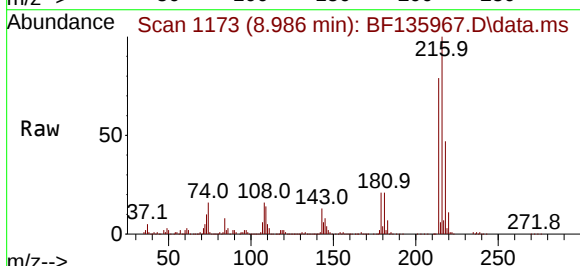
Ion Ratio Lower Upper

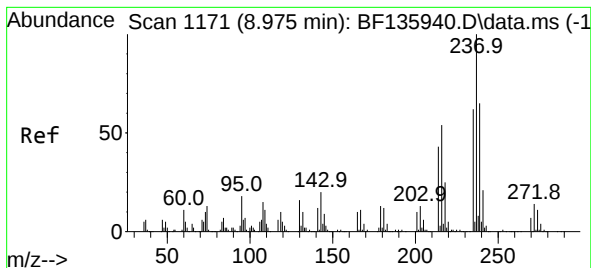
216 100

214 79.4 63.3 94.9

179 21.4 17.3 25.9

108 18.5 15.2 22.8





#41

Hexachlorocyclopentadiene

Concen: 51.154 ng

RT: 8.975 min Scan# 1171

Delta R.T. -0.000 min

Lab File: BF135967.D

Acq: 26 Oct 2023 17:10

Instrument :

BNA_F

ClientSampleId :

MMFB-4MS

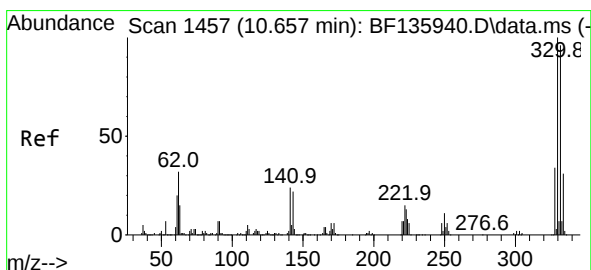
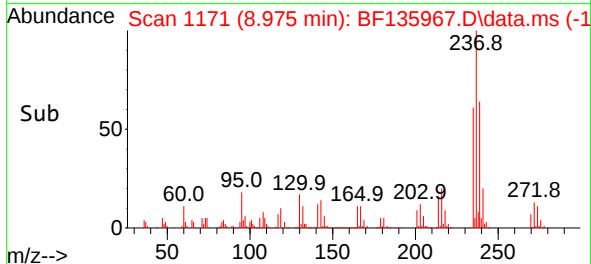
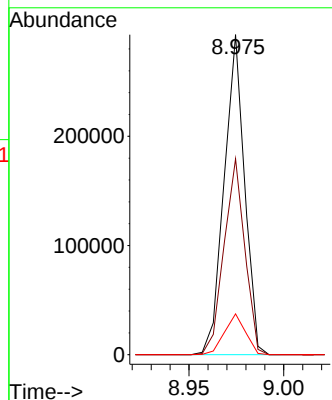
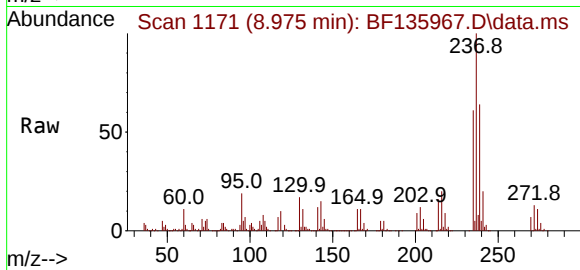
Tgt Ion:237 Resp: 220068

Ion Ratio Lower Upper

237 100

235 61.2 41.7 81.7

272 12.8 0.0 33.6



#42

2,4,6-Tribromophenol

Concen: 105.178 ng

RT: 10.657 min Scan# 1457

Delta R.T. -0.000 min

Lab File: BF135967.D

Acq: 26 Oct 2023 17:10

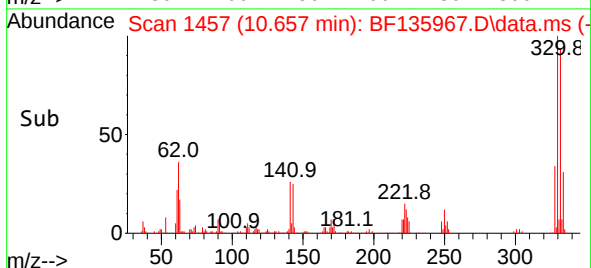
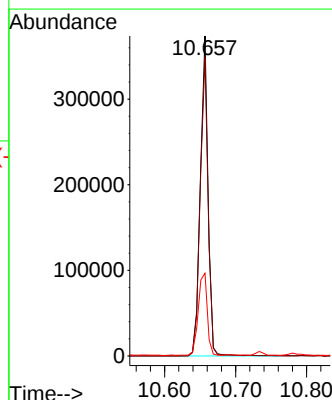
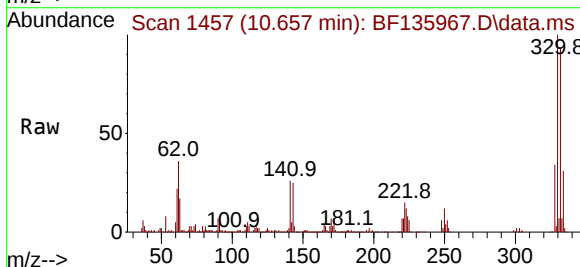
Tgt Ion:330 Resp: 284387

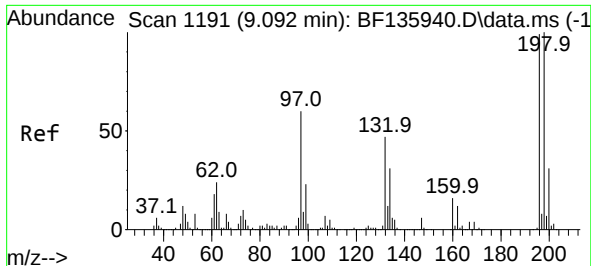
Ion Ratio Lower Upper

330 100

332 95.0 77.4 116.2

141 29.7 24.9 37.3





#43

2,4,6-Trichlorophenol

Concen: 53.103 ng

RT: 9.098 min Scan# 1191

Delta R.T. 0.006 min

Lab File: BF135967.D

Acq: 26 Oct 2023 17:10

Instrument :

BNA_F

ClientSampleId :

MMFB-4MS

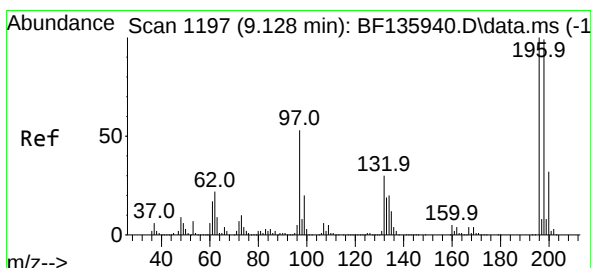
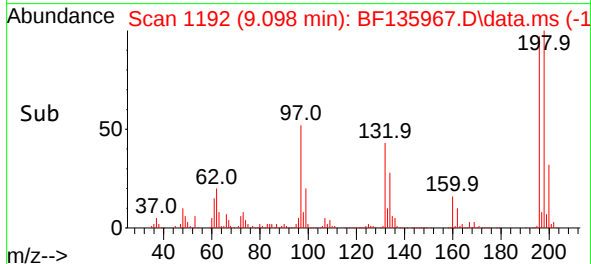
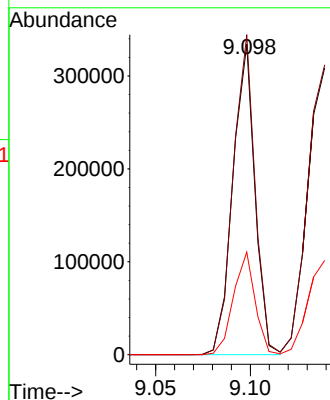
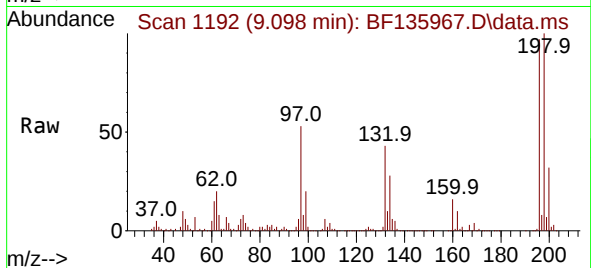
Tgt Ion:196 Resp: 271175

Ion Ratio Lower Upper

196 100

198 103.1 81.0 121.4

200 33.0 25.4 38.0



#44

2,4,5-Trichlorophenol

Concen: 47.621 ng

RT: 9.139 min Scan# 1199

Delta R.T. 0.012 min

Lab File: BF135967.D

Acq: 26 Oct 2023 17:10

Tgt Ion:196 Resp: 288729

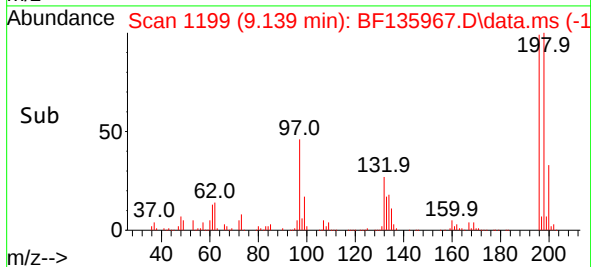
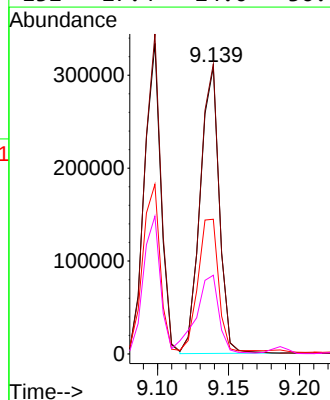
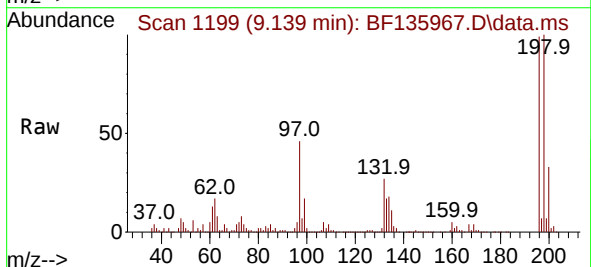
Ion Ratio Lower Upper

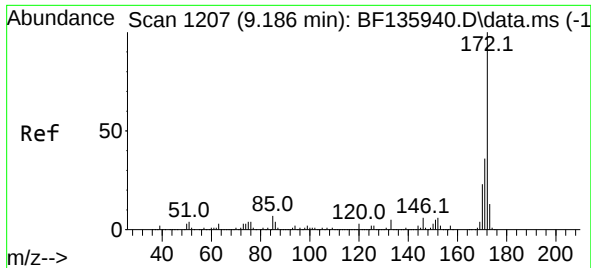
196 100

198 101.1 79.1 118.7

97 47.0 42.3 63.5

132 27.4 24.0 36.0





#45

2-Fluorobiphenyl

Concen: 73.358 ng

RT: 9.186 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF135967.D

Acq: 26 Oct 2023 17:10

Instrument :

BNA_F

ClientSampleId :

MMFB-4MS

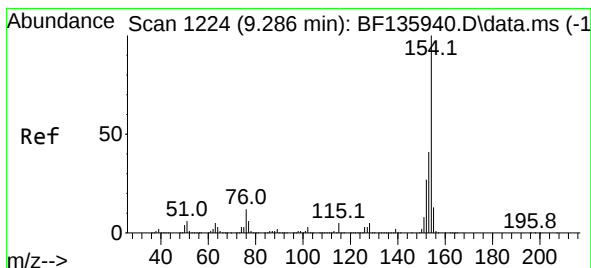
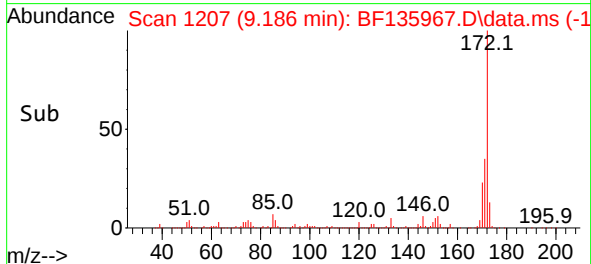
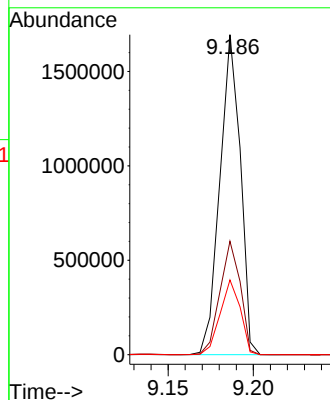
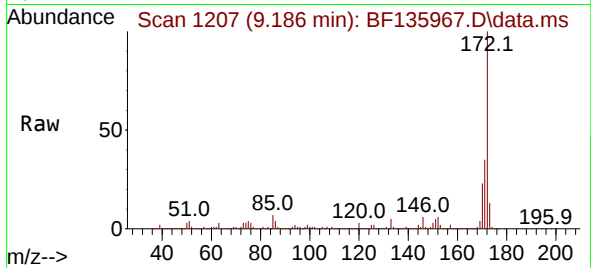
Tgt Ion:172 Resp: 1415213

Ion Ratio Lower Upper

172 100

171 35.5 28.6 43.0

170 23.3 18.6 28.0



#46

1,1'-Biphenyl

Concen: 48.026 ng

RT: 9.286 min Scan# 1224

Delta R.T. -0.000 min

Lab File: BF135967.D

Acq: 26 Oct 2023 17:10

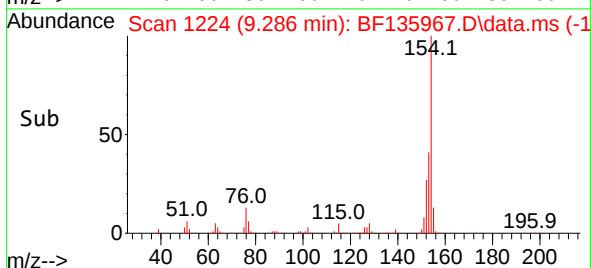
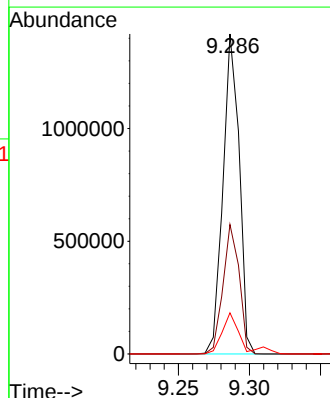
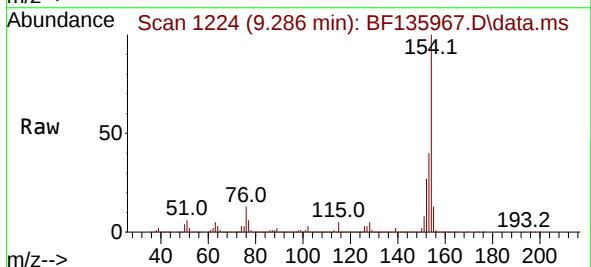
Tgt Ion:154 Resp: 1124134

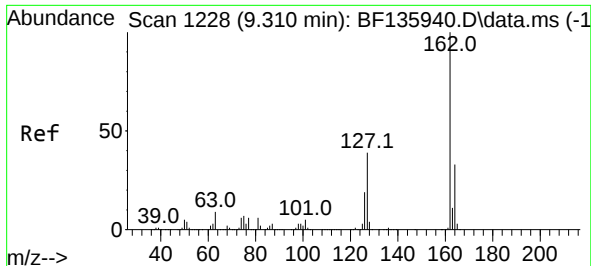
Ion Ratio Lower Upper

154 100

153 40.5 20.7 60.7

76 12.9 0.0 32.4





#47

2-Chloronaphthalene

Concen: 47.674 ng

RT: 9.310 min Scan# 1228

Delta R.T. -0.000 min

Lab File: BF135967.D

Acq: 26 Oct 2023 17:10

Instrument :

BNA_F

ClientSampleId :

MMFB-4MS

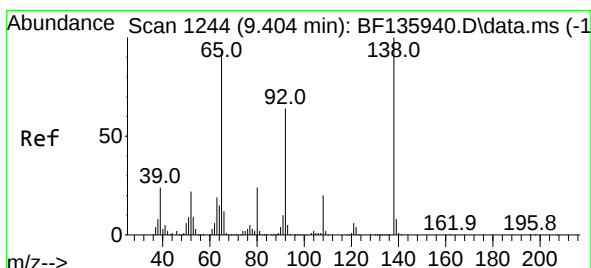
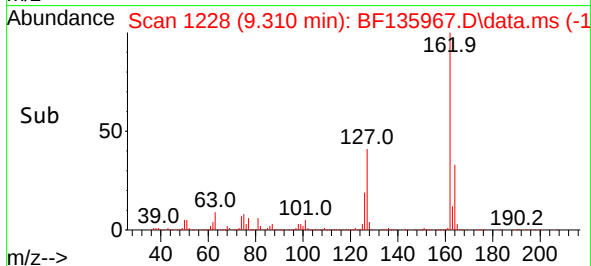
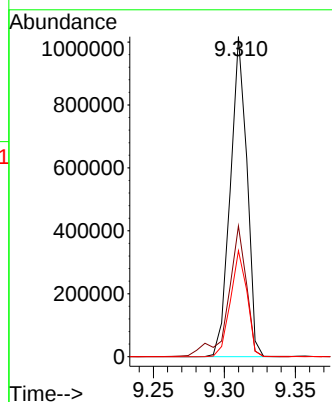
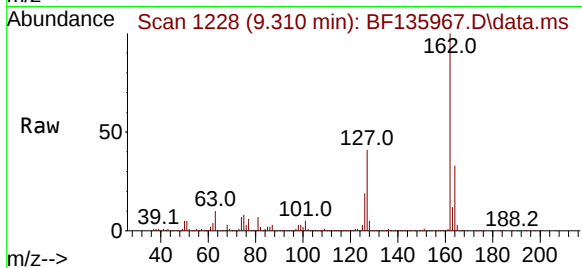
Tgt Ion:162 Resp: 825400

Ion Ratio Lower Upper

162 100

127 40.9 31.0 46.4

164 33.1 26.6 39.8



#48

2-Nitroaniline

Concen: 50.458 ng

RT: 9.404 min Scan# 1244

Delta R.T. -0.000 min

Lab File: BF135967.D

Acq: 26 Oct 2023 17:10

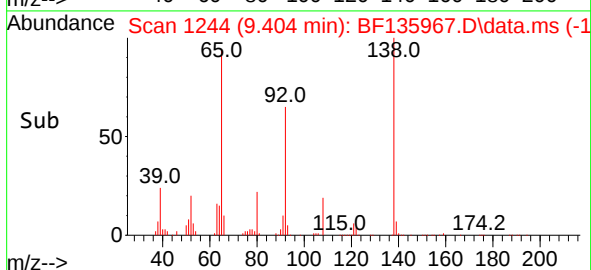
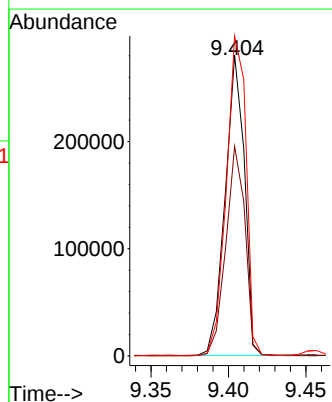
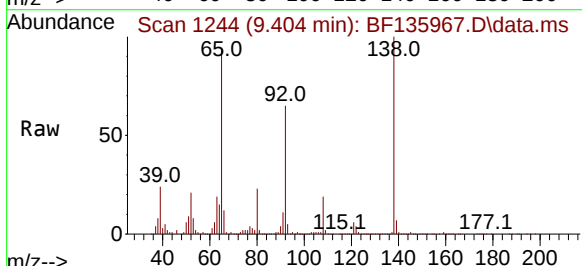
Tgt Ion: 65 Resp: 241389

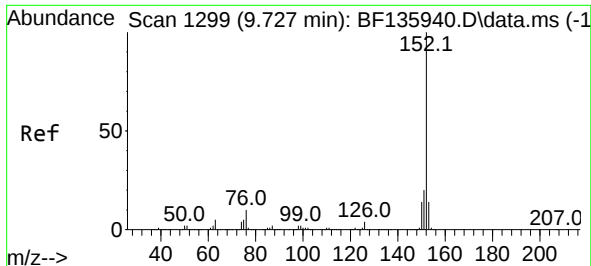
Ion Ratio Lower Upper

65 100

92 69.6 54.9 82.3

138 106.4 85.2 127.8





#49

Acenaphthylene

Concen: 46.670 ng

RT: 9.727 min Scan# 1299

Delta R.T. -0.000 min

Lab File: BF135967.D

Acq: 26 Oct 2023 17:10

Instrument :

BNA_F

ClientSampleId :

MMFB-4MS

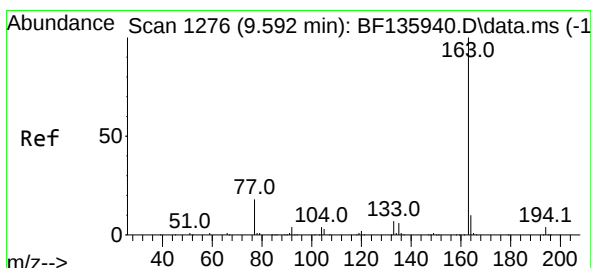
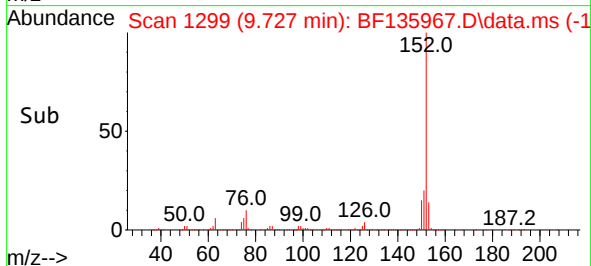
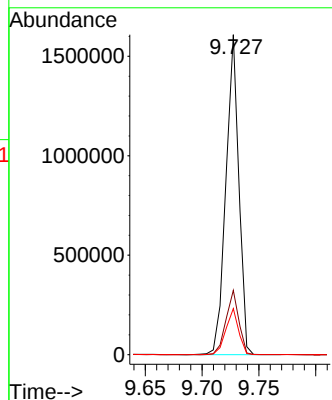
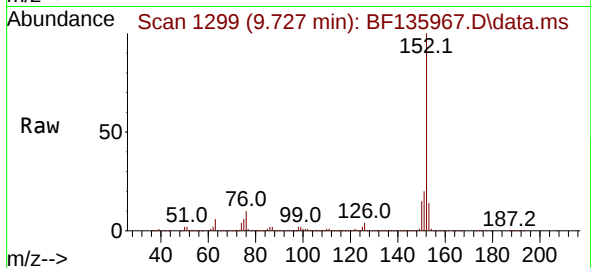
Tgt Ion:152 Resp: 1274724

Ion Ratio Lower Upper

152 100

151 20.1 16.0 24.0

153 14.4 11.0 16.6



#50

Dimethylphthalate

Concen: 47.704 ng

RT: 9.592 min Scan# 1276

Delta R.T. -0.000 min

Lab File: BF135967.D

Acq: 26 Oct 2023 17:10

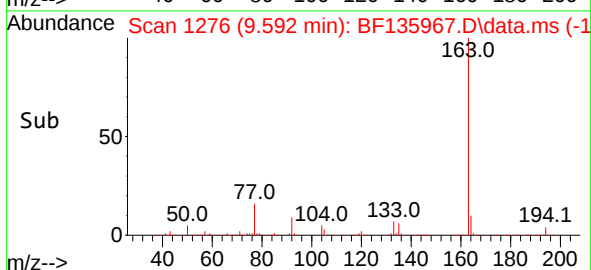
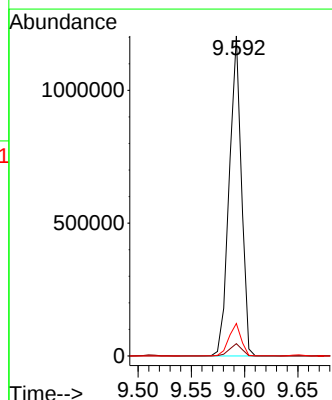
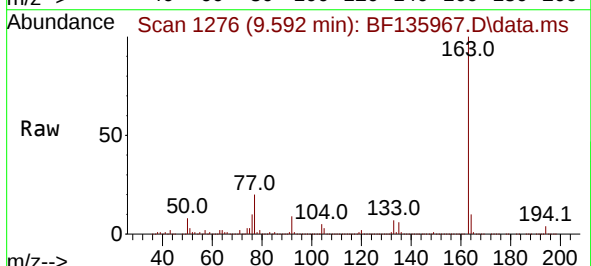
Tgt Ion:163 Resp: 955631

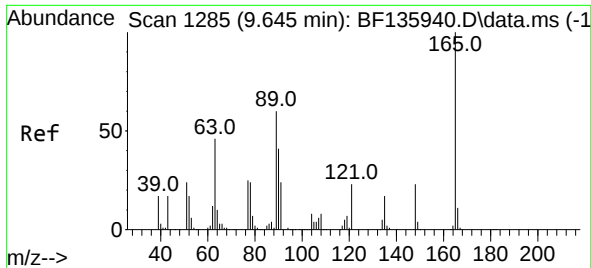
Ion Ratio Lower Upper

163 100

194 3.9 3.4 5.0

164 10.1 8.3 12.5

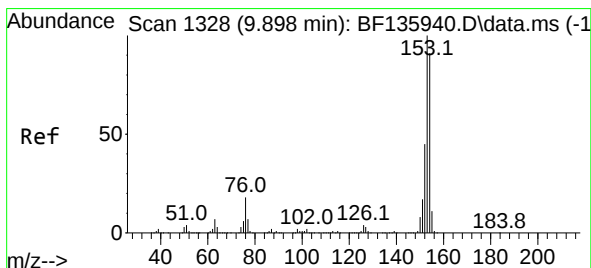
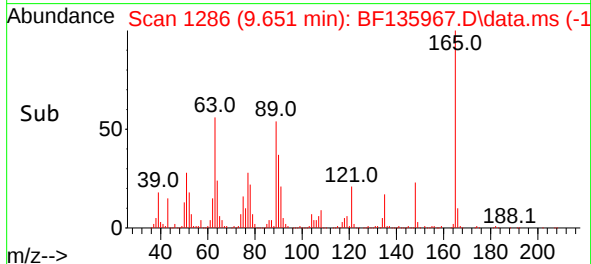
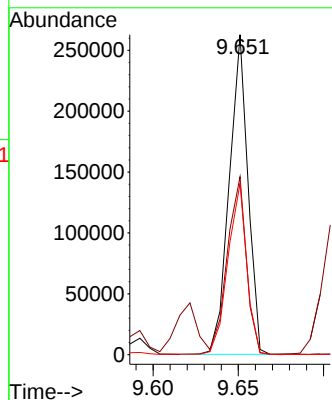
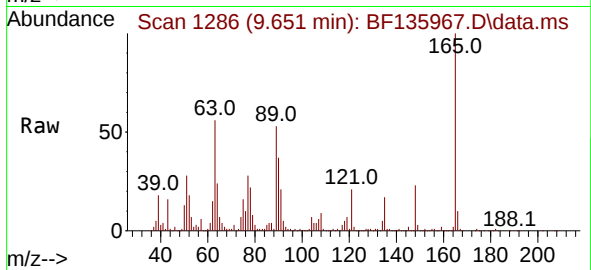




#51
2,6-Dinitrotoluene
Concen: 48.163 ng
RT: 9.651 min Scan# 1286
Delta R.T. 0.006 min
Lab File: BF135967.D
Acq: 26 Oct 2023 17:10

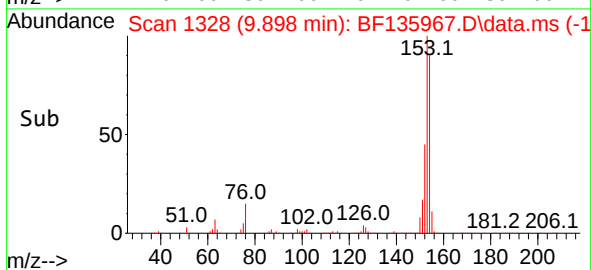
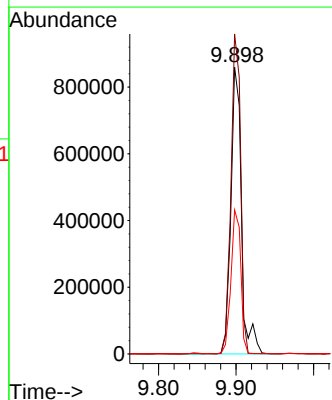
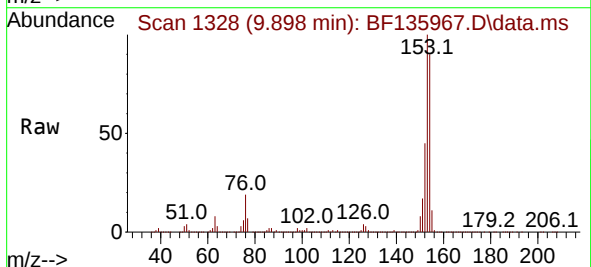
Instrument :
BNA_F
ClientSampleId :
MMFB-4MS

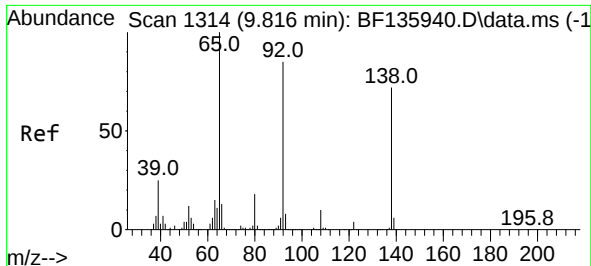
Tgt Ion:165 Resp: 200102
Ion Ratio Lower Upper
165 100
63 55.6 51.7 77.5
89 53.5 48.3 72.5



#52
Acenaphthene
Concen: 46.395 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.000 min
Lab File: BF135967.D
Acq: 26 Oct 2023 17:10

Tgt Ion:154 Resp: 812122
Ion Ratio Lower Upper
154 100
153 111.5 88.0 132.0
152 50.2 39.4 59.2

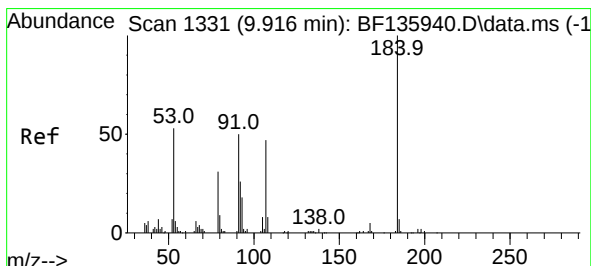
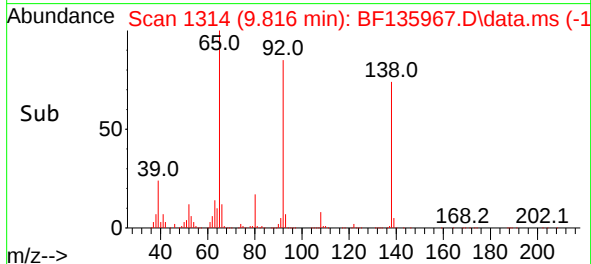
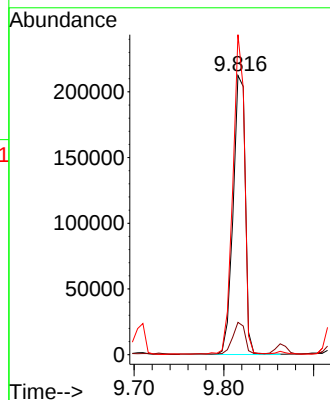
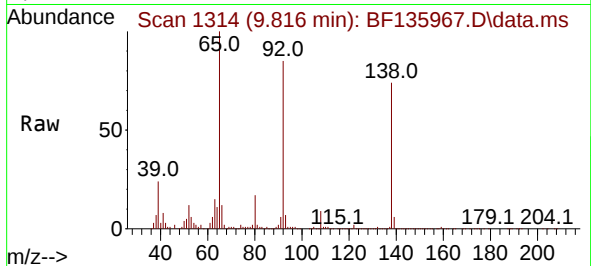




#53
3-Nitroaniline
Concen: 41.041 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF135967.D
Acq: 26 Oct 2023 17:10

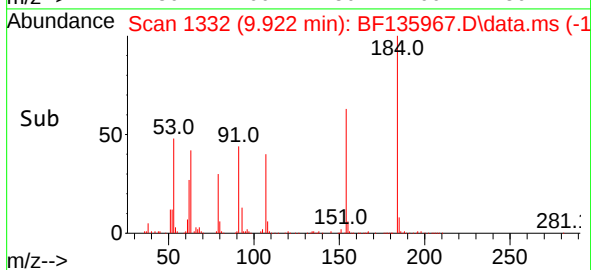
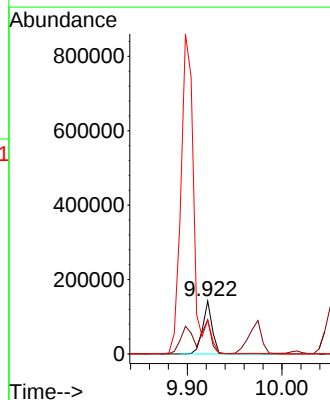
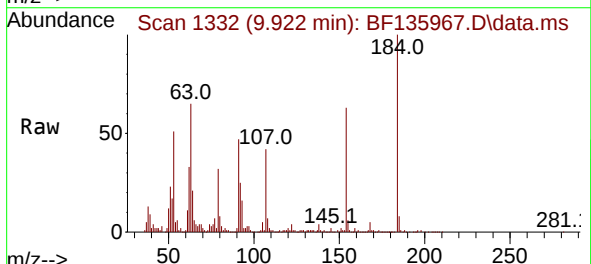
Instrument :
BNA_F
ClientSampleId :
MMFB-4MS

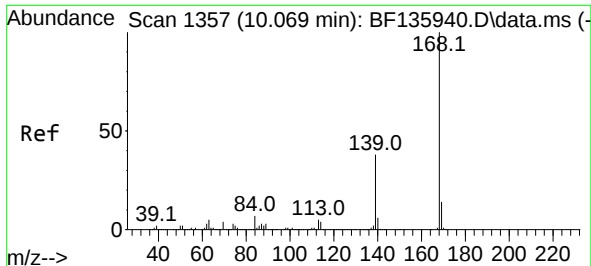
Tgt Ion:138 Resp: 200319
Ion Ratio Lower Upper
138 100
108 11.6 11.3 16.9
92 114.6 95.0 142.6



#54
2,4-Dinitrophenol
Concen: 70.397 ng
RT: 9.922 min Scan# 1332
Delta R.T. 0.006 min
Lab File: BF135967.D
Acq: 26 Oct 2023 17:10

Tgt Ion:184 Resp: 99094
Ion Ratio Lower Upper
184 100
63 64.6 56.3 84.5
154 63.3 48.1 72.1

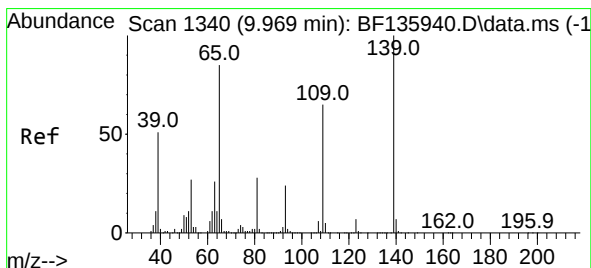
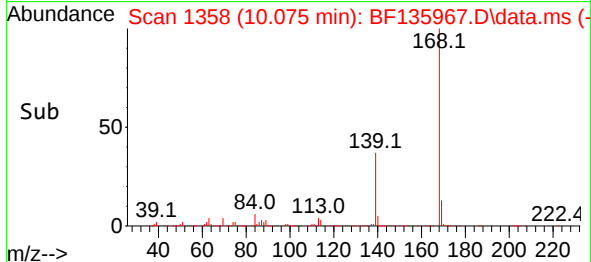
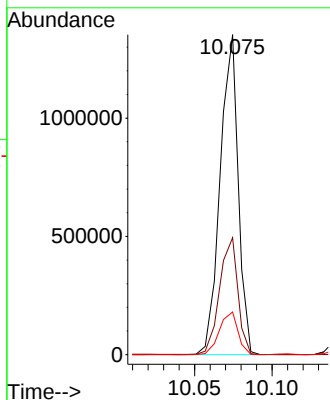
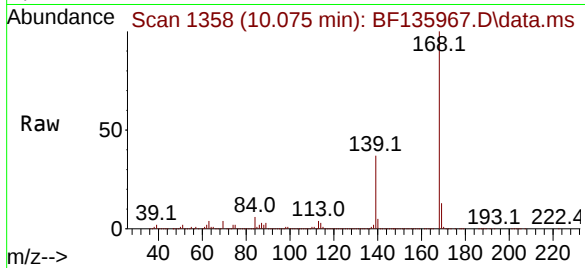




#55
Dibenzenofuran
Concen: 43.265 ng
RT: 10.075 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF135967.D
Acq: 26 Oct 2023 17:10

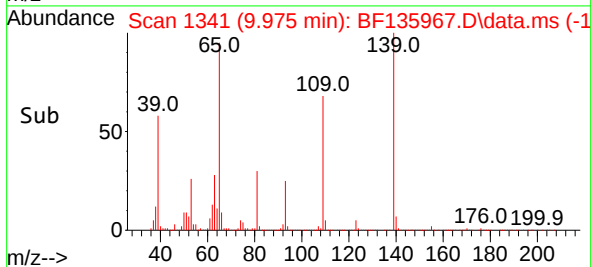
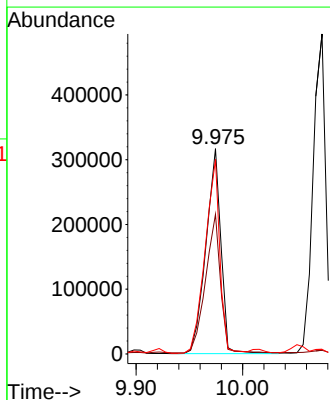
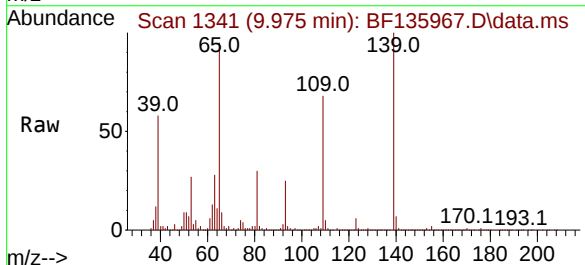
Instrument :
BNA_F
ClientSampleId :
MMFB-4MS

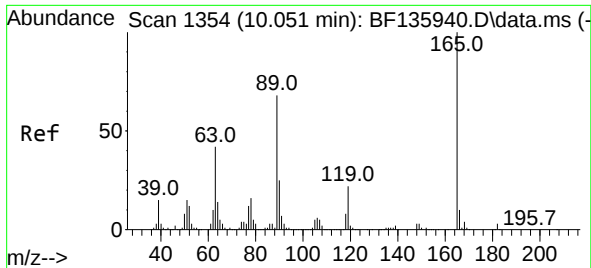
Tgt Ion:168 Resp: 1094071
Ion Ratio Lower Upper
168 100
139 36.5 30.7 46.1
169 13.3 11.1 16.7



#56
4-Nitrophenol
Concen: 77.359 ng
RT: 9.975 min Scan# 1341
Delta R.T. 0.006 min
Lab File: BF135967.D
Acq: 26 Oct 2023 17:10

Tgt Ion:139 Resp: 311731
Ion Ratio Lower Upper
139 100
109 68.1 45.2 85.2
65 94.8 65.1 105.1

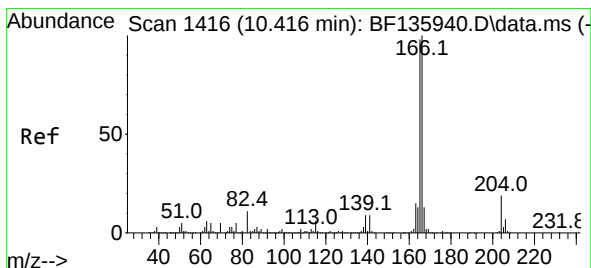
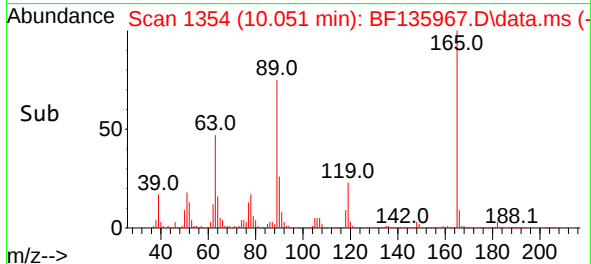
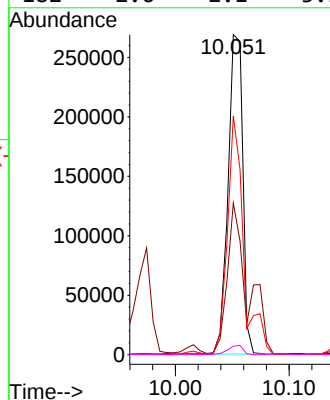
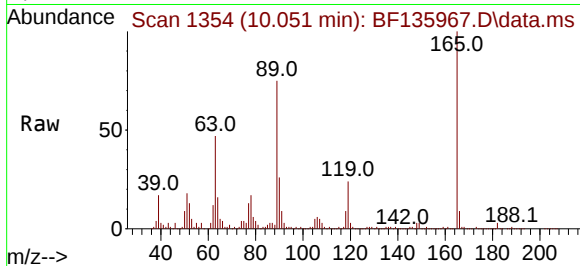




#57
2,4-Dinitrotoluene
Concen: 47.331 ng
RT: 10.051 min Scan# 1354
Delta R.T. -0.000 min
Lab File: BF135967.D
Acq: 26 Oct 2023 17:10

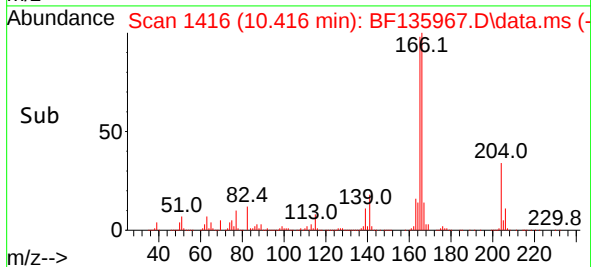
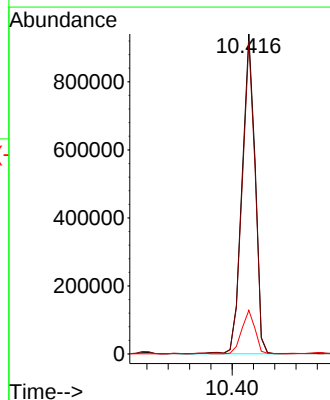
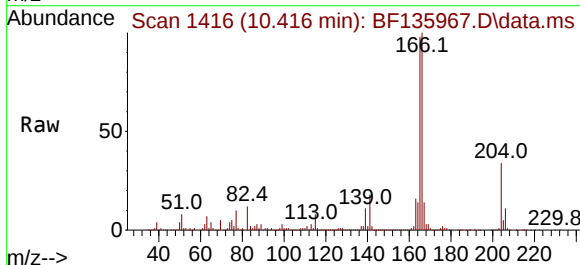
Instrument :
BNA_F
ClientSampleId :
MMFB-4MS

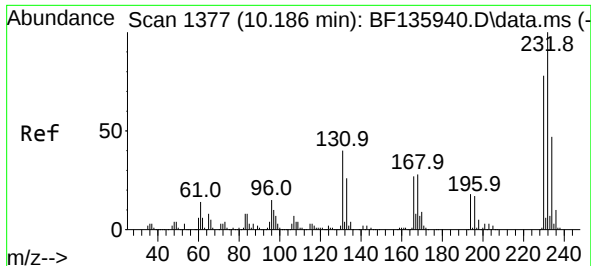
Tgt Ion:165 Resp: 242841
Ion Ratio Lower Upper
165 100
63 47.4 33.7 50.5
89 74.6 54.6 81.8
182 2.6 2.1 3.1



#58
Fluorene
Concen: 42.198 ng
RT: 10.416 min Scan# 1416
Delta R.T. -0.000 min
Lab File: BF135967.D
Acq: 26 Oct 2023 17:10

Tgt Ion:166 Resp: 798343
Ion Ratio Lower Upper
166 100
165 97.7 78.0 117.0
167 13.6 10.6 16.0

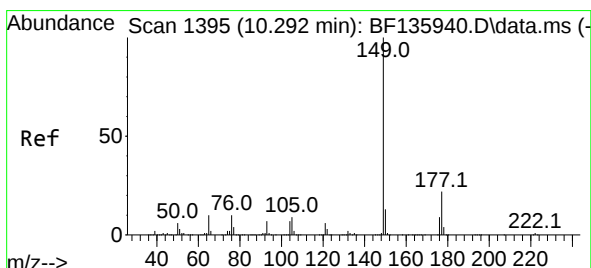
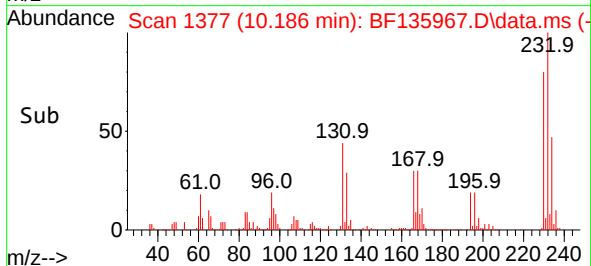
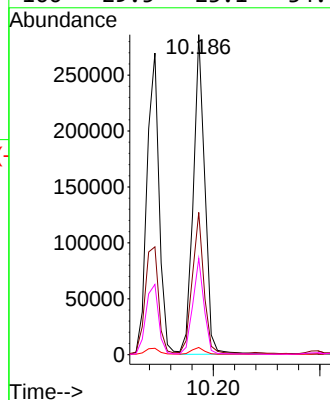
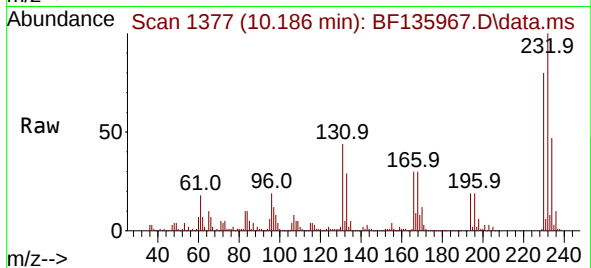




#59
2,3,4,6-Tetrachlorophenol
Concen: 47.150 ng
RT: 10.186 min Scan# 1377
Delta R.T. -0.000 min
Lab File: BF135967.D
Acq: 26 Oct 2023 17:10

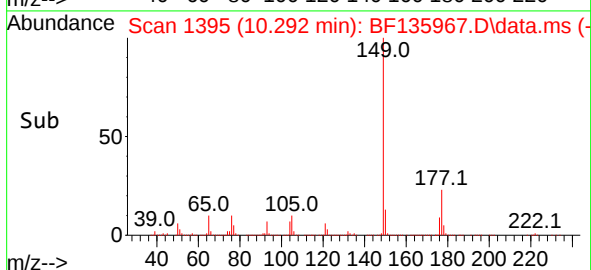
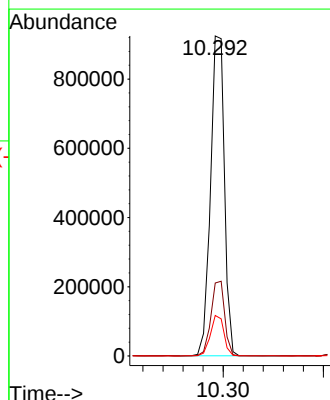
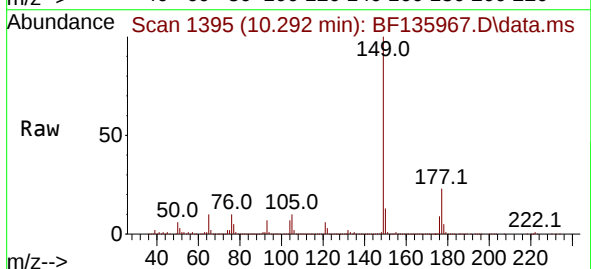
Instrument :
BNA_F
ClientSampleId :
MMFB-4MS

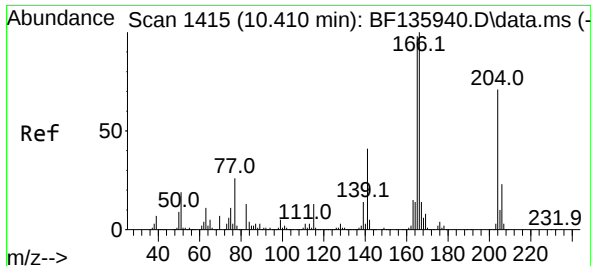
Tgt Ion:232 Resp: 215115
Ion Ratio Lower Upper
232 100
131 43.9 35.2 52.8
130 2.3 1.7 2.5
166 29.5 23.1 34.7



#60
Diethylphthalate
Concen: 46.431 ng
RT: 10.292 min Scan# 1395
Delta R.T. -0.000 min
Lab File: BF135967.D
Acq: 26 Oct 2023 17:10

Tgt Ion:149 Resp: 886956
Ion Ratio Lower Upper
149 100
177 22.8 17.9 26.9
150 12.6 10.2 15.2

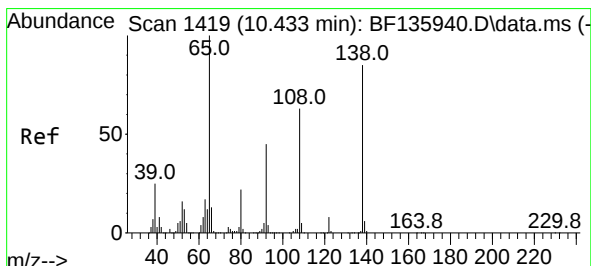
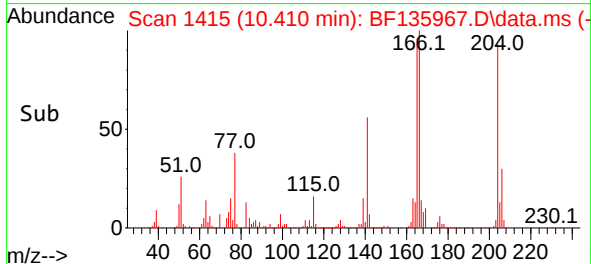
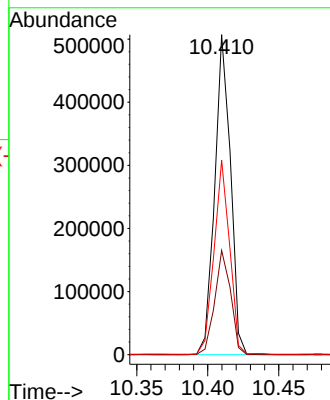
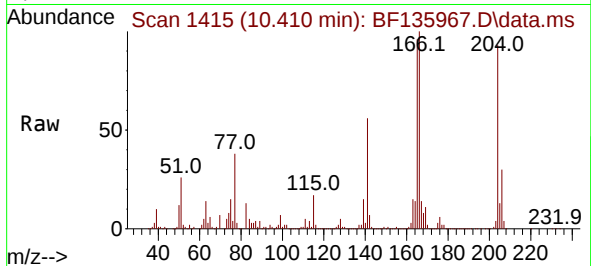




#61
4-Chlorophenyl-phenylether
Concen: 42.909 ng
RT: 10.410 min Scan# 1415
Delta R.T. -0.000 min
Lab File: BF135967.D
Acq: 26 Oct 2023 17:10

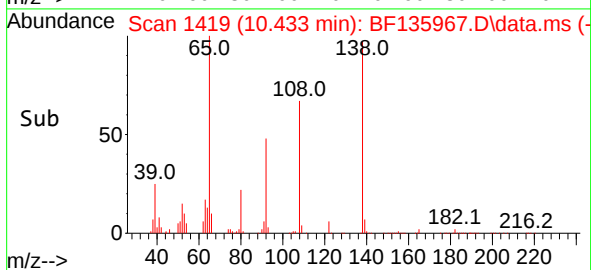
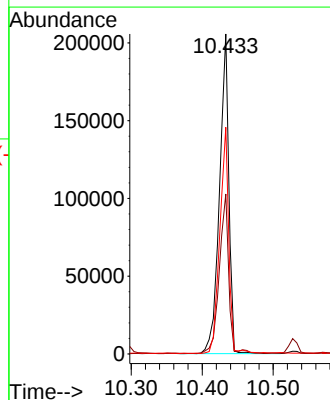
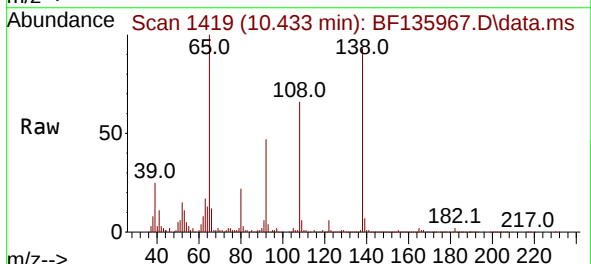
Instrument :
BNA_F
ClientSampleId :
MMFB-4MS

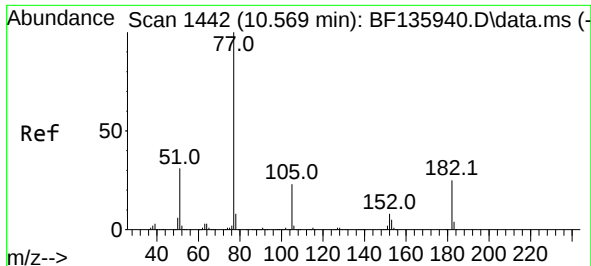
Tgt Ion:204 Resp: 391594
Ion Ratio Lower Upper
204 100
206 32.5 26.4 39.6
141 60.8 46.2 69.2



#62
4-Nitroaniline
Concen: 38.994 ng
RT: 10.433 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BF135967.D
Acq: 26 Oct 2023 17:10

Tgt Ion:138 Resp: 187121
Ion Ratio Lower Upper
138 100
92 50.0 32.9 72.9
108 70.9 53.5 93.5

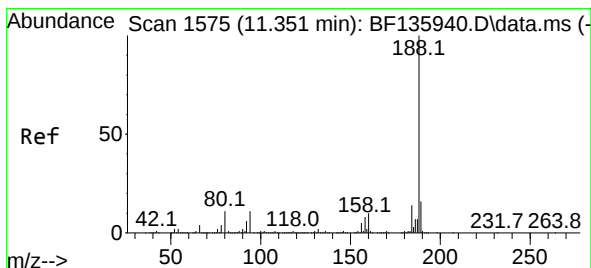
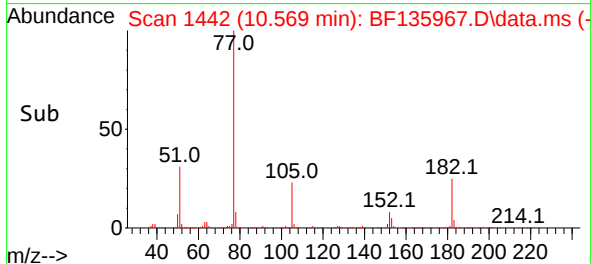
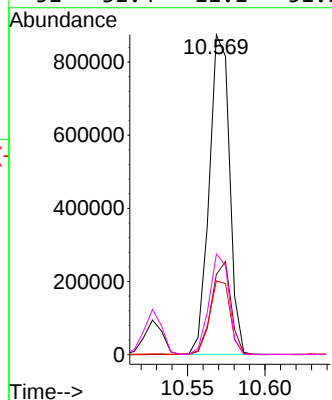
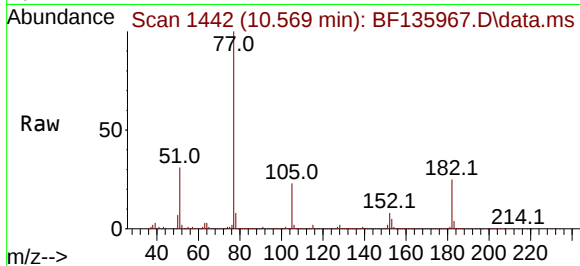




#63
Azobenzene
Concen: 41.004 ng
RT: 10.569 min Scan# 1442
Delta R.T. -0.000 min
Lab File: BF135967.D
Acq: 26 Oct 2023 17:10

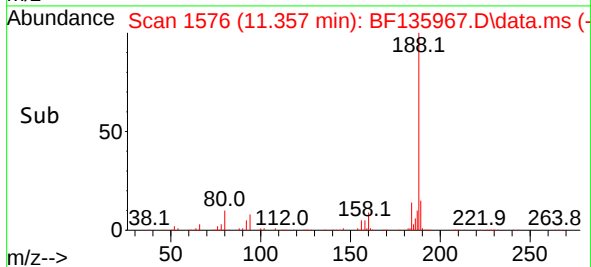
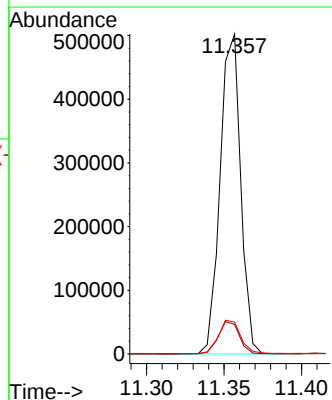
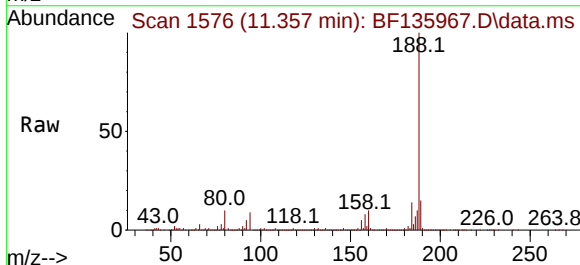
Instrument :
BNA_F
ClientSampleId :
MMFB-4MS

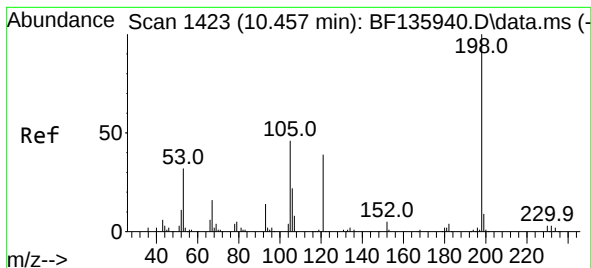
Tgt Ion: 77	Resp: 794897
Ion Ratio	Lower Upper
77 100	
182 25.0	5.1 45.1
105 23.1	2.8 42.8
51 31.4	11.1 51.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1576
Delta R.T. 0.006 min
Lab File: BF135967.D
Acq: 26 Oct 2023 17:10

Tgt Ion:188	Resp: 463494
Ion Ratio	Lower Upper
188 100	
94 9.2	8.6 13.0
80 9.9	9.0 13.6

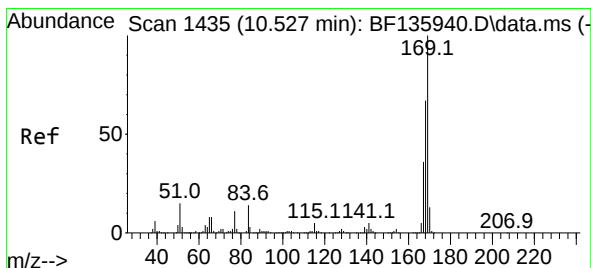
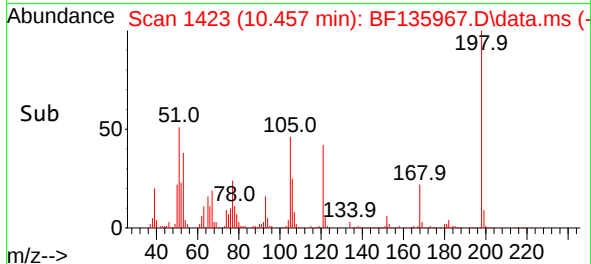
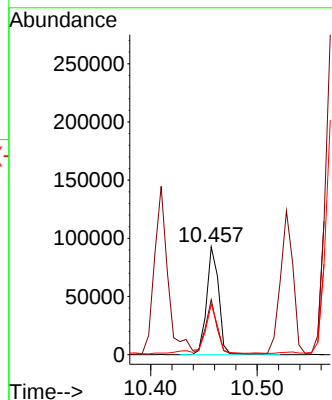
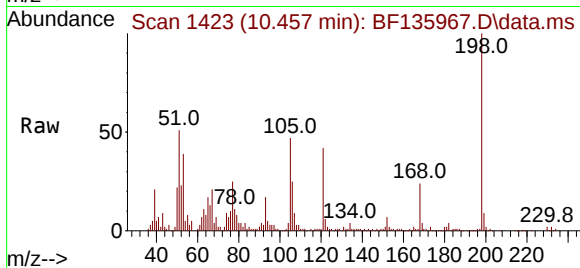




#65
4,6-Dinitro-2-methylphenol
Concen: 48.451 ng
RT: 10.457 min Scan# 1423
Delta R.T. -0.000 min
Lab File: BF135967.D
Acq: 26 Oct 2023 17:10

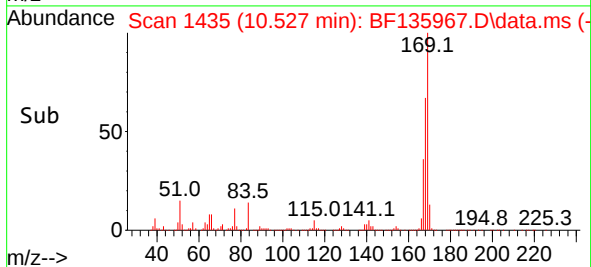
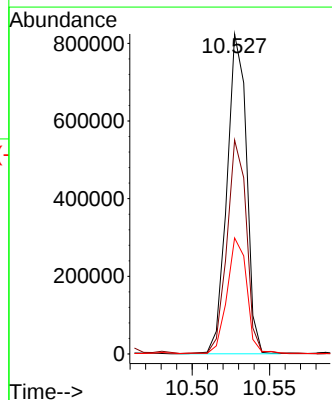
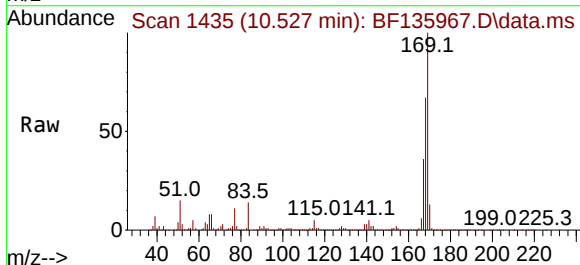
Instrument :
BNA_F
ClientSampleId :
MMFB-4MS

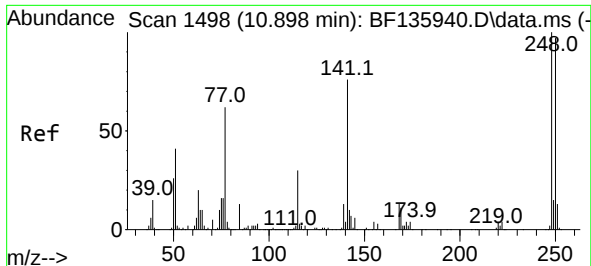
Tgt Ion:198 Resp: 72836
Ion Ratio Lower Upper
198 100
51 51.0 28.7 68.7
105 47.1 27.2 67.2



#66
n-Nitrosodiphenylamine
Concen: 51.664 ng
RT: 10.527 min Scan# 1435
Delta R.T. -0.000 min
Lab File: BF135967.D
Acq: 26 Oct 2023 17:10

Tgt Ion:169 Resp: 723404
Ion Ratio Lower Upper
169 100
168 66.9 53.5 80.3
167 36.2 29.0 43.4

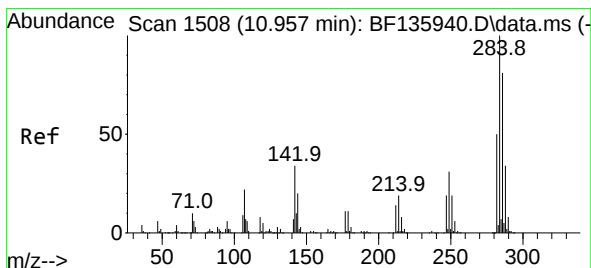
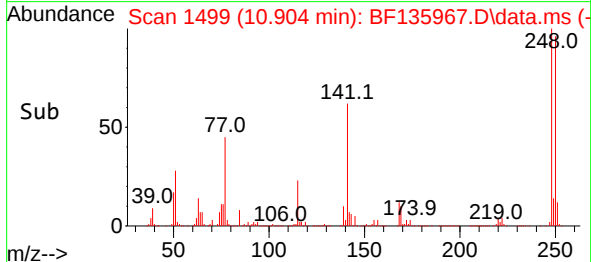
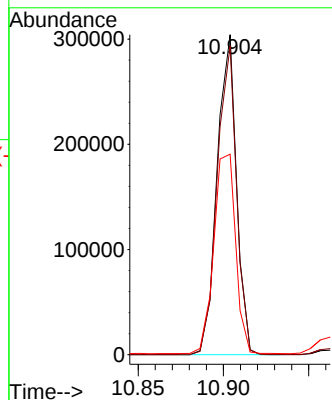
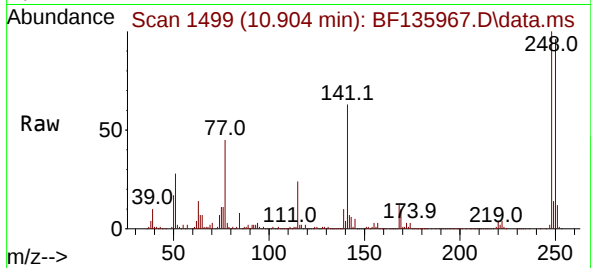




#67
4-Bromophenyl-phenylether
Concen: 50.742 ng
RT: 10.904 min Scan# 1499
Delta R.T. 0.006 min
Lab File: BF135967.D
Acq: 26 Oct 2023 17:10

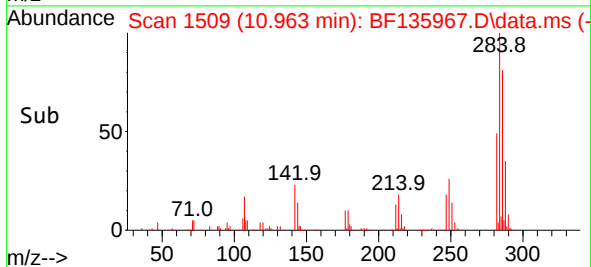
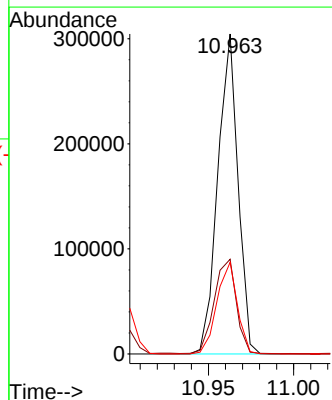
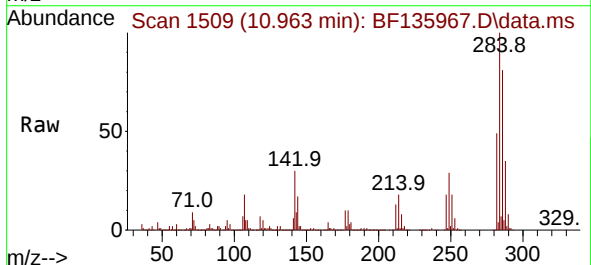
Instrument :
BNA_F
ClientSampleId :
MMFB-4MS

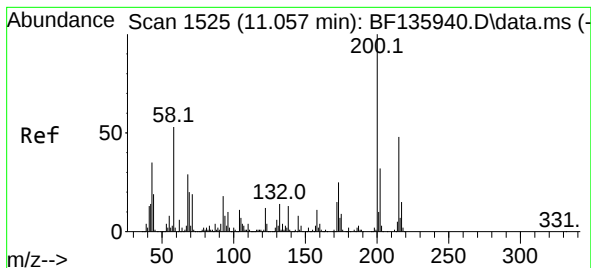
Tgt Ion:248 Resp: 240856
Ion Ratio Lower Upper
248 100
250 96.5 77.9 116.9
141 62.7 60.8 91.2



#68
Hexachlorobenzene
Concen: 49.460 ng
RT: 10.963 min Scan# 1509
Delta R.T. 0.006 min
Lab File: BF135967.D
Acq: 26 Oct 2023 17:10

Tgt Ion:284 Resp: 250793
Ion Ratio Lower Upper
284 100
142 29.6 27.6 41.4
249 28.7 24.7 37.1





#69

Atrazine

Concen: 60.850 ng

RT: 11.063 min Scan# 1526

Delta R.T. 0.006 min

Lab File: BF135967.D

Acq: 26 Oct 2023 17:10

Instrument :

BNA_F

ClientSampleId :

MMFB-4MS

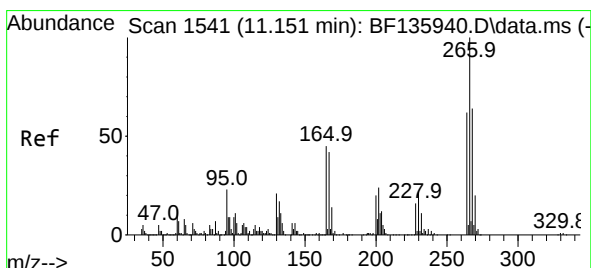
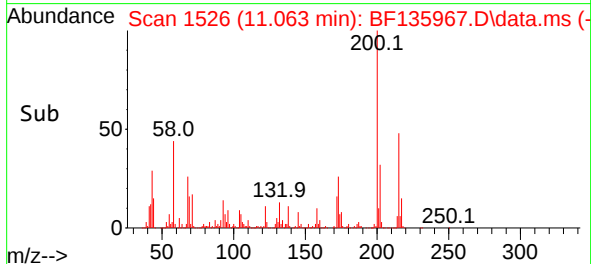
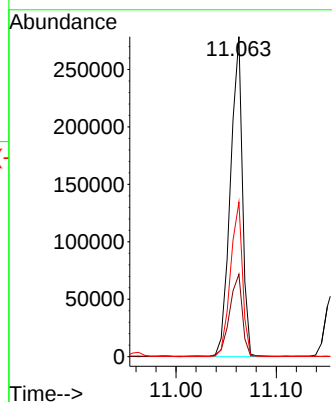
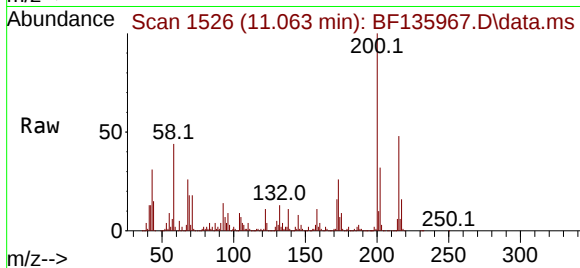
Tgt Ion:200 Resp: 232270

Ion Ratio Lower Upper

200 100

173 25.8 5.5 45.5

215 48.3 27.5 67.5



#70

Pentachlorophenol

Concen: 83.596 ng

RT: 11.157 min Scan# 1542

Delta R.T. 0.006 min

Lab File: BF135967.D

Acq: 26 Oct 2023 17:10

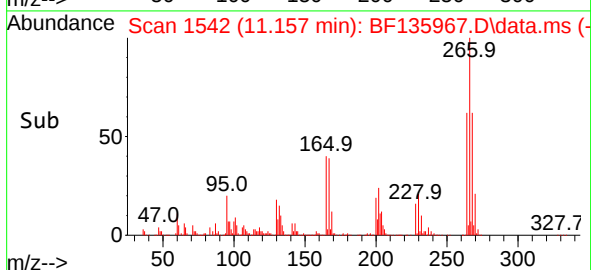
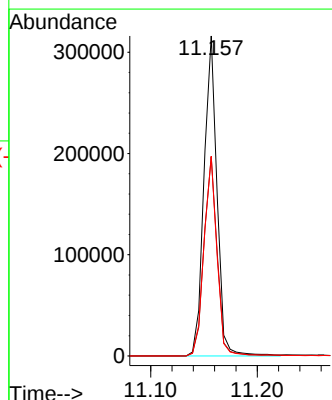
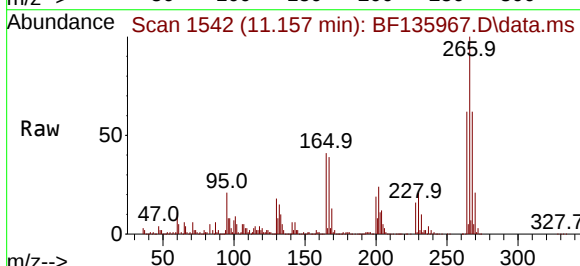
Tgt Ion:266 Resp: 269398

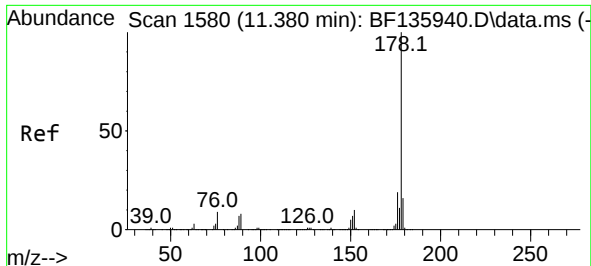
Ion Ratio Lower Upper

266 100

268 62.3 50.8 76.2

264 62.4 49.8 74.6

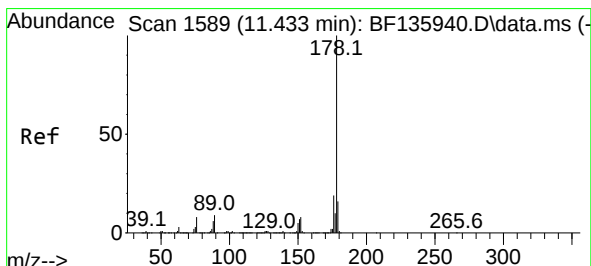
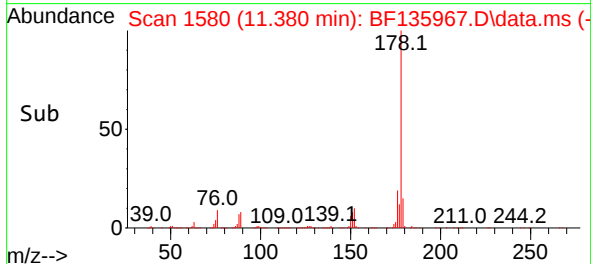
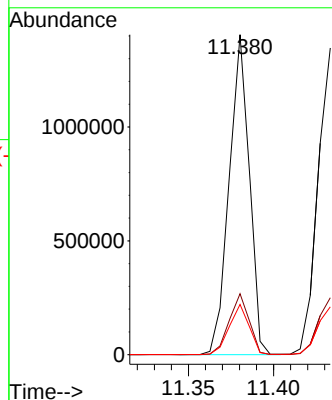
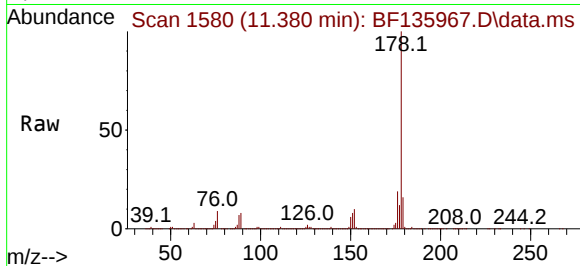




#71
Phenanthrene
Concen: 49.374 ng
RT: 11.380 min Scan# 1580
Delta R.T. -0.000 min
Lab File: BF135967.D
Acq: 26 Oct 2023 17:10

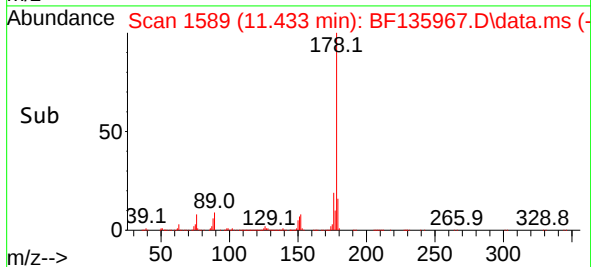
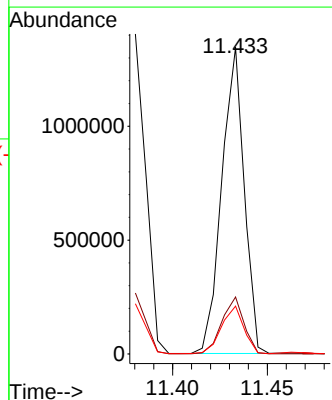
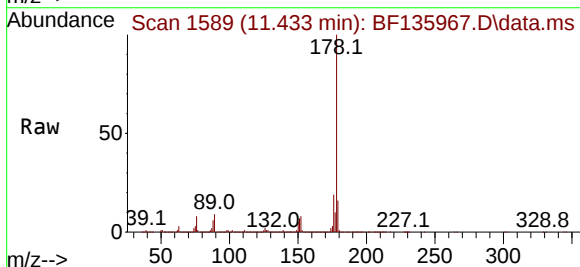
Instrument :
BNA_F
ClientSampleId :
MMFB-4MS

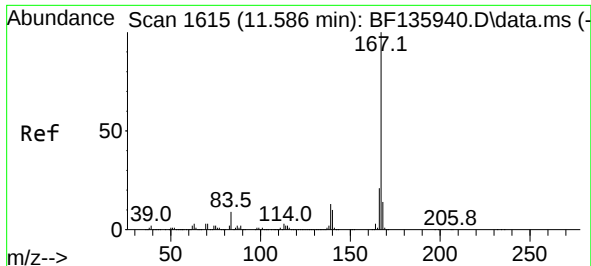
Tgt Ion:178 Resp: 1157787
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.2
179 15.7 12.5 18.7



#72
Anthracene
Concen: 46.183 ng
RT: 11.433 min Scan# 1589
Delta R.T. -0.000 min
Lab File: BF135967.D
Acq: 26 Oct 2023 17:10

Tgt Ion:178 Resp: 1108878
Ion Ratio Lower Upper
178 100
176 18.6 14.9 22.3
179 15.6 12.5 18.7

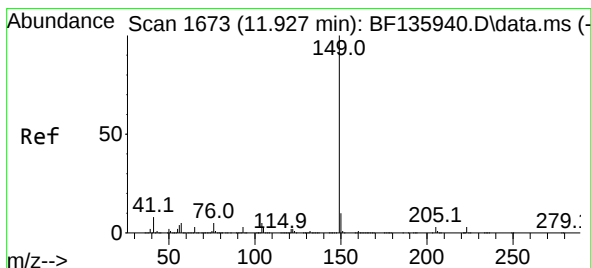
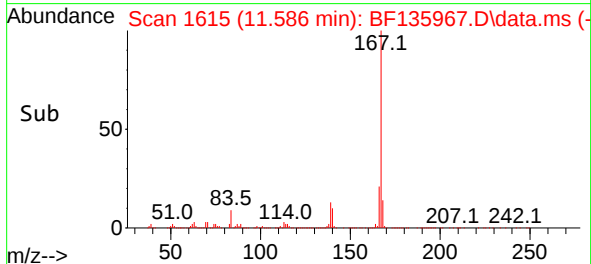
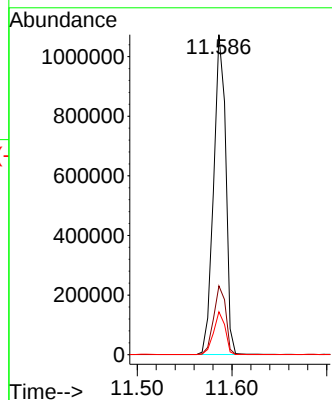
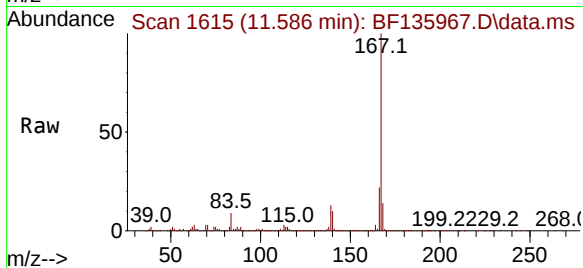




#73
 Carbazole
 Concen: 44.359 ng
 RT: 11.586 min Scan# 1615
 Delta R.T. -0.000 min
 Lab File: BF135967.D
 Acq: 26 Oct 2023 17:10

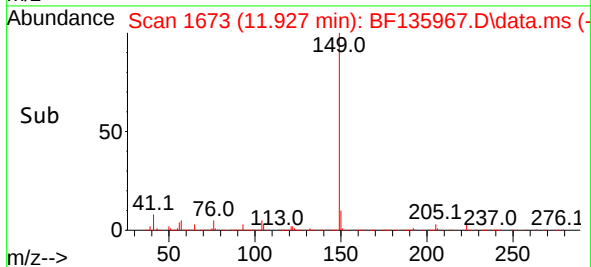
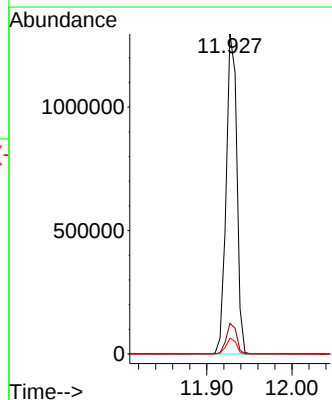
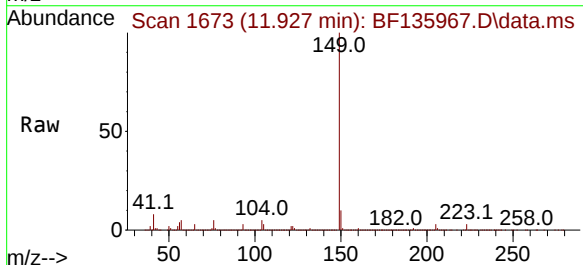
Instrument :
 BNA_F
 ClientSampleId :
 MMFB-4MS

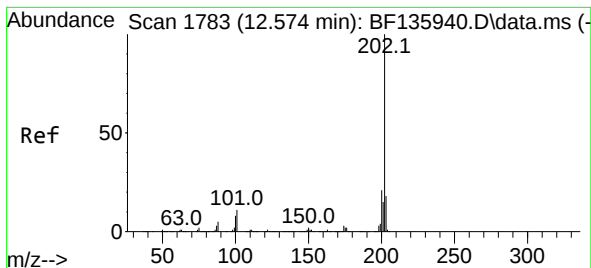
Tgt Ion:167 Resp: 950091
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.0 25.6
 139 13.4 10.4 15.6



#74
 Di-n-butylphthalate
 Concen: 49.382 ng
 RT: 11.927 min Scan# 1673
 Delta R.T. -0.000 min
 Lab File: BF135967.D
 Acq: 26 Oct 2023 17:10

Tgt Ion:149 Resp: 1125490
 Ion Ratio Lower Upper
 149 100
 150 9.6 7.7 11.5
 104 4.9 3.9 5.9





#75

Fluoranthene

Concen: 47.009 ng

RT: 12.574 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF135967.D

Acq: 26 Oct 2023 17:10

Instrument :

BNA_F

ClientSampleId :

MMFB-4MS

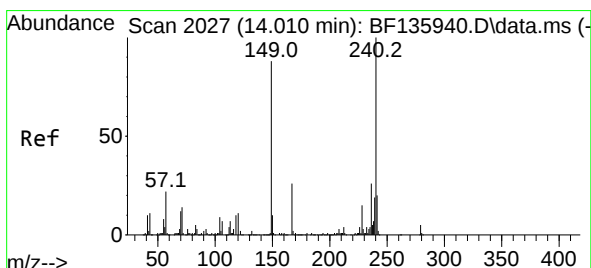
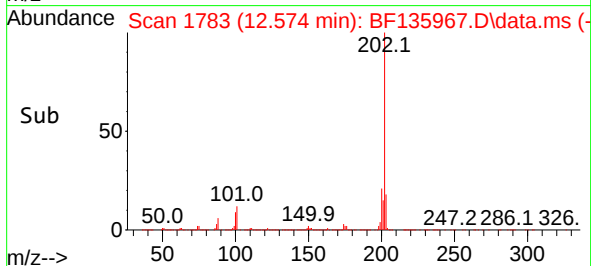
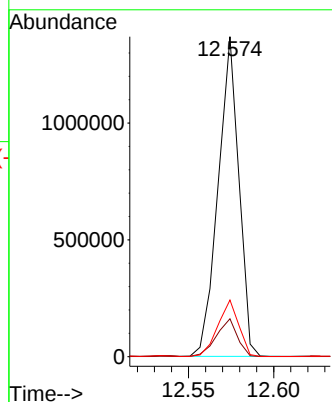
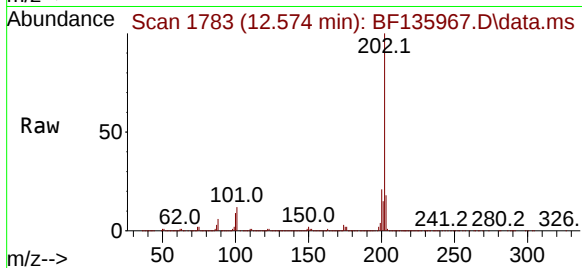
Tgt Ion:202 Resp: 1159712

Ion Ratio Lower Upper

202 100

101 11.9 0.0 30.6

203 17.7 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.010 min Scan# 2027

Delta R.T. -0.000 min

Lab File: BF135967.D

Acq: 26 Oct 2023 17:10

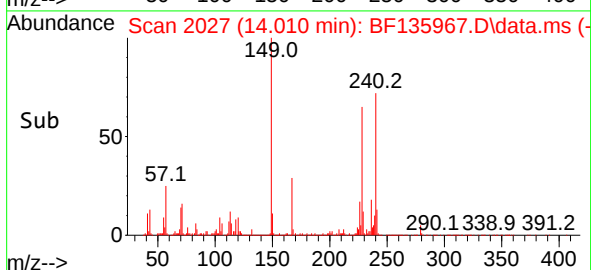
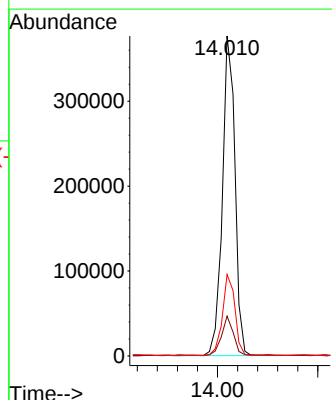
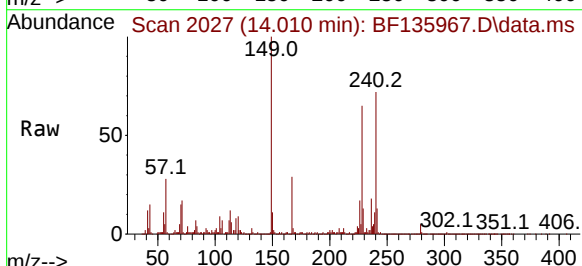
Tgt Ion:240 Resp: 327569

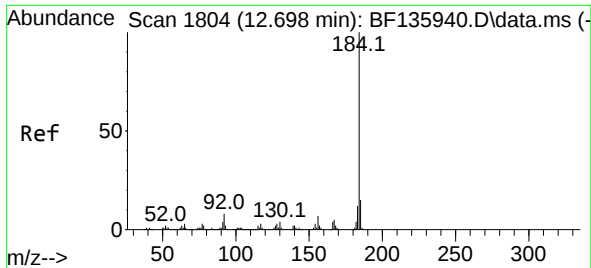
Ion Ratio Lower Upper

240 100

120 12.4 8.6 13.0

236 25.5 20.6 30.8

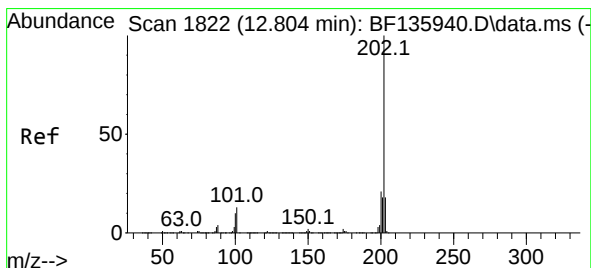
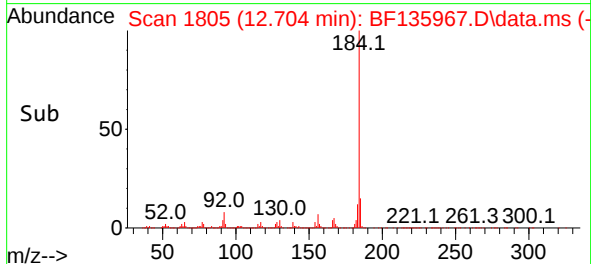
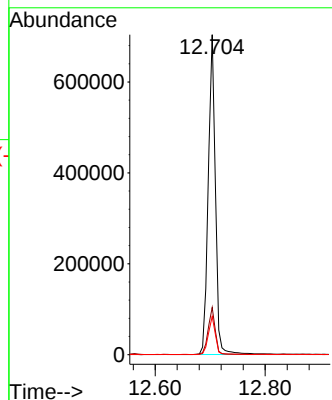
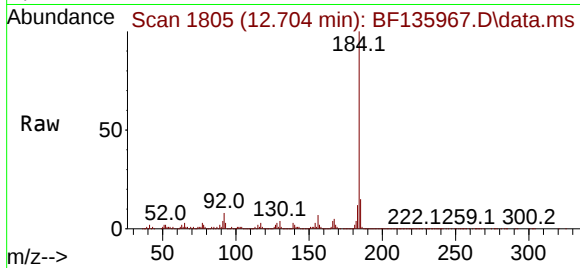




#77
Benzidine
Concen: 100.606 ng
RT: 12.704 min Scan# 1805
Delta R.T. 0.006 min
Lab File: BF135967.D
Acq: 26 Oct 2023 17:10

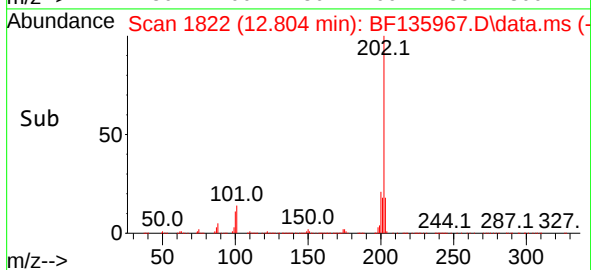
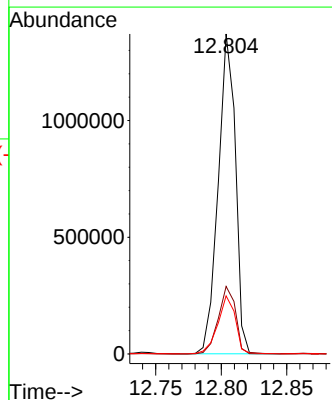
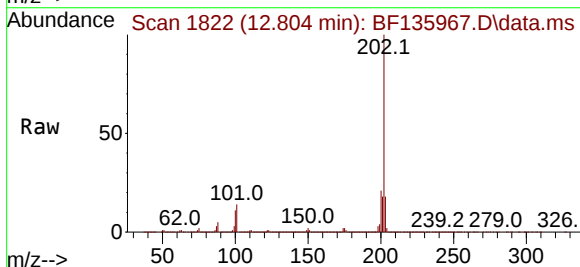
Instrument :
BNA_F
ClientSampleId :
MMFB-4MS

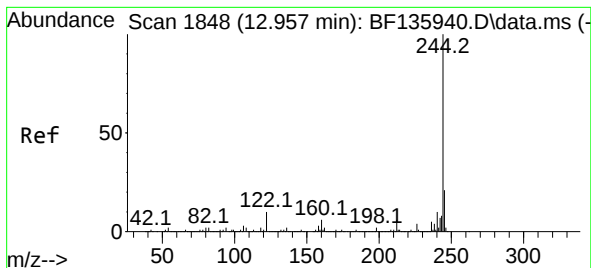
Tgt Ion:184 Resp: 635455
Ion Ratio Lower Upper
184 100
185 14.8 11.7 17.5
183 11.9 9.2 13.8



#78
Pyrene
Concen: 45.457 ng
RT: 12.804 min Scan# 1822
Delta R.T. -0.000 min
Lab File: BF135967.D
Acq: 26 Oct 2023 17:10

Tgt Ion:202 Resp: 1250246
Ion Ratio Lower Upper
202 100
200 21.1 17.0 25.6
203 18.2 14.5 21.7





#79

Terphenyl-d14

Concen: 63.597 ng

RT: 12.951 min Scan# 1847

Delta R.T. -0.006 min

Lab File: BF135967.D

Acq: 26 Oct 2023 17:10

Instrument :

BNA_F

ClientSampleId :

MMFB-4MS

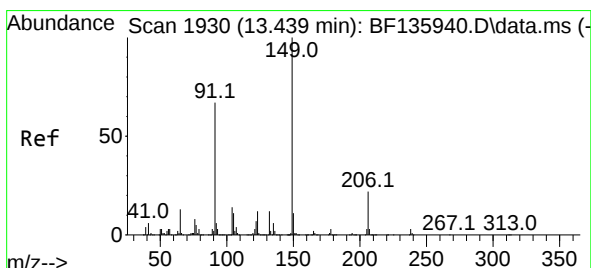
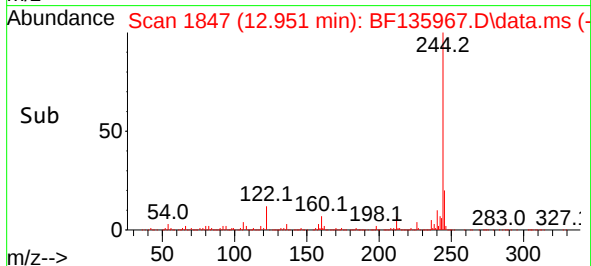
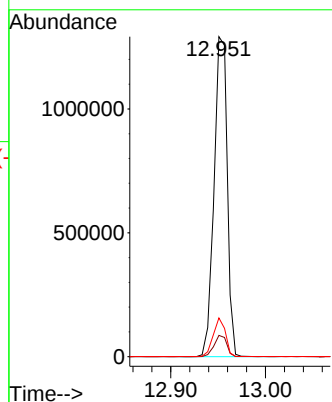
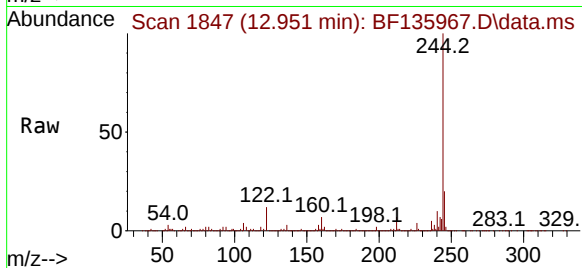
Tgt Ion:244 Resp: 1246877

Ion Ratio Lower Upper

244 100

212 6.6 5.0 7.6

122 12.1 8.0 12.0#



#80

Butylbenzylphthalate

Concen: 43.084 ng

RT: 13.439 min Scan# 1930

Delta R.T. -0.000 min

Lab File: BF135967.D

Acq: 26 Oct 2023 17:10

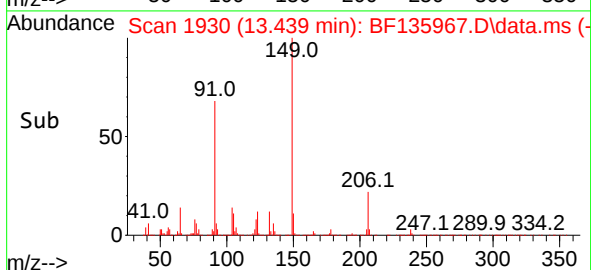
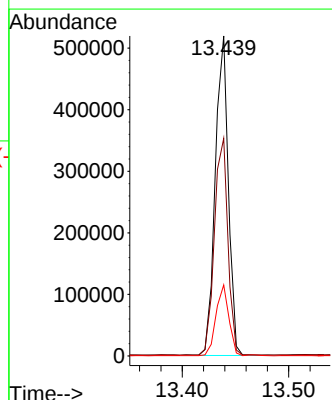
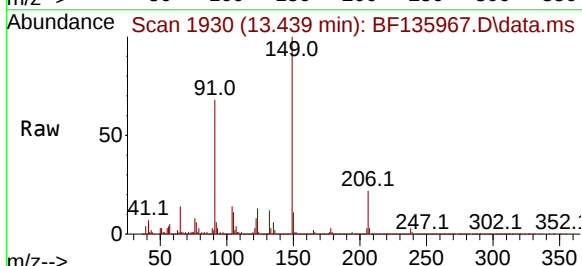
Tgt Ion:149 Resp: 443413

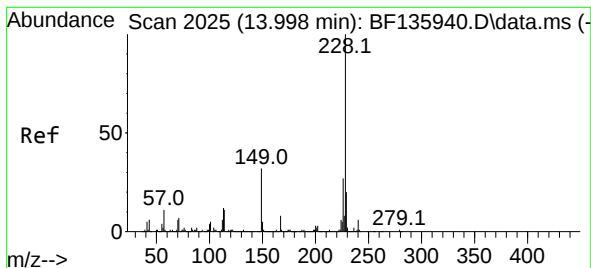
Ion Ratio Lower Upper

149 100

91 68.0 53.4 80.0

206 22.2 17.5 26.3





#81

Benzo(a)anthracene

Concen: 48.910 ng

RT: 13.998 min Scan# 2025

Delta R.T. -0.000 min

Lab File: BF135967.D

Acq: 26 Oct 2023 17:10

Instrument :

BNA_F

ClientSampleId :

MMFB-4MS

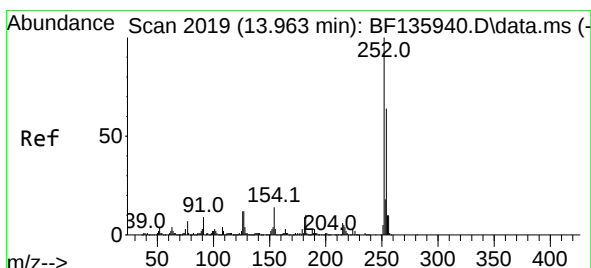
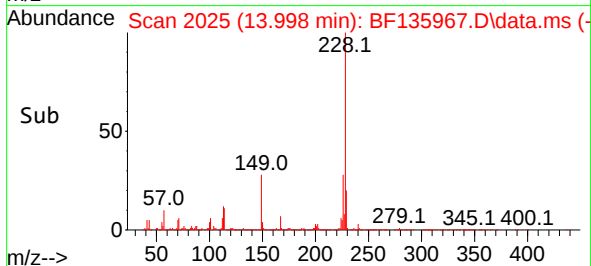
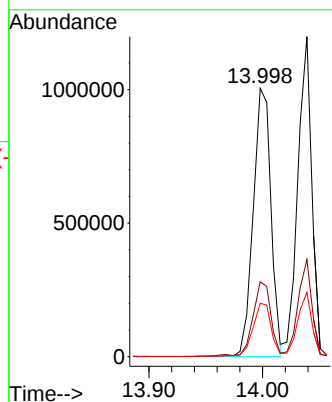
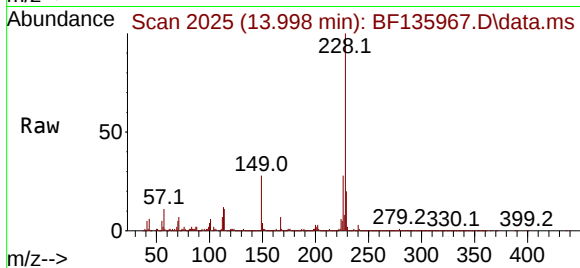
Tgt Ion:228 Resp: 1089363

Ion Ratio Lower Upper

228 100

226 27.9 21.8 32.6

229 19.9 16.2 24.4



#82

3,3'-Dichlorobenzidine

Concen: 52.063 ng

RT: 13.968 min Scan# 2020

Delta R.T. 0.006 min

Lab File: BF135967.D

Acq: 26 Oct 2023 17:10

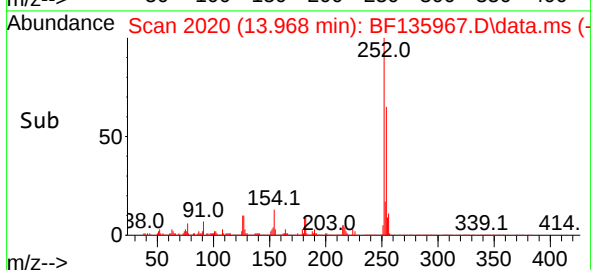
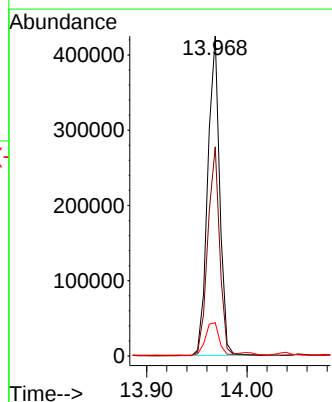
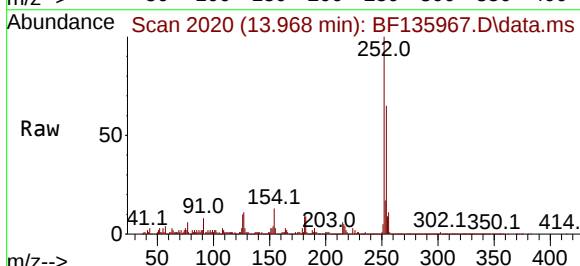
Tgt Ion:252 Resp: 352793

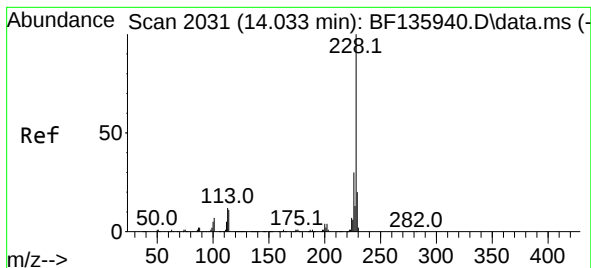
Ion Ratio Lower Upper

252 100

254 65.4 50.9 76.3

126 10.4 9.8 14.6





#83

Chrysene

Concen: 47.240 ng

RT: 14.039 min Scan# 2031

Delta R.T. 0.006 min

Lab File: BF135967.D

Acq: 26 Oct 2023 17:10

Instrument :

BNA_F

ClientSampleId :

MMFB-4MS

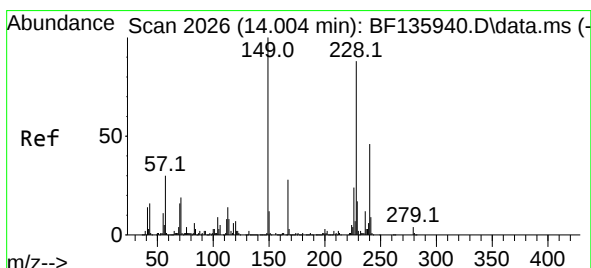
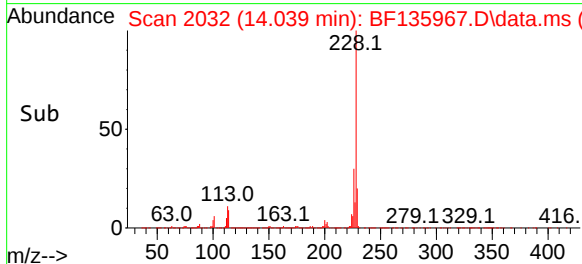
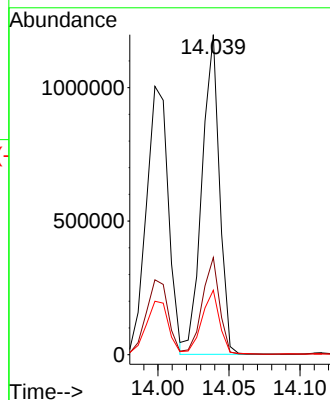
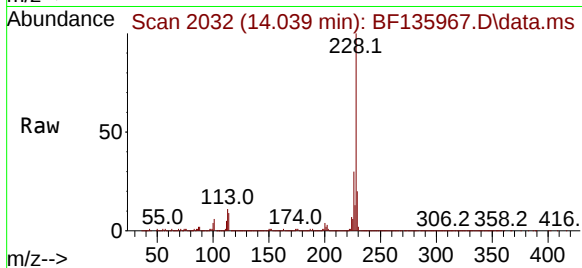
Tgt Ion:228 Resp: 1024774

Ion Ratio Lower Upper

228 100

226 30.4 23.9 35.9

229 20.2 16.2 24.2



#84

Bis(2-ethylhexyl)phthalate

Concen: 50.249 ng

RT: 14.004 min Scan# 2026

Delta R.T. -0.000 min

Lab File: BF135967.D

Acq: 26 Oct 2023 17:10

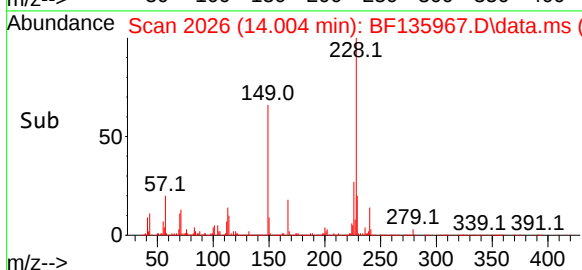
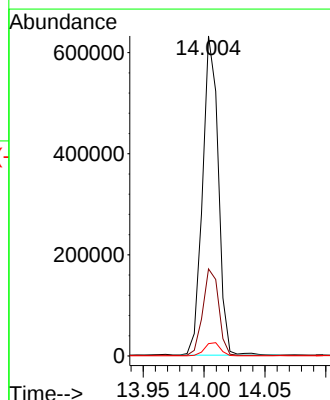
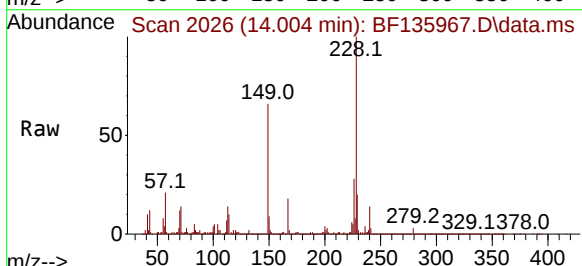
Tgt Ion:149 Resp: 568318

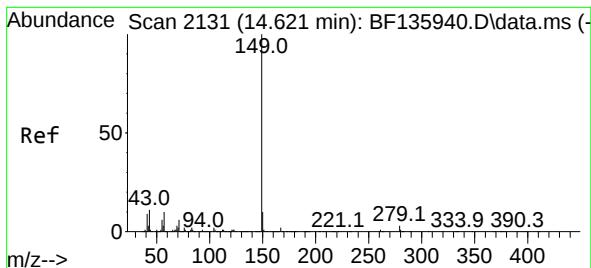
Ion Ratio Lower Upper

149 100

167 27.2 22.2 33.2

279 3.9 3.1 4.7





#85

Di-n-octyl phthalate

Concen: 59.488 ng

RT: 14.627 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF135967.D

Acq: 26 Oct 2023 17:10

Instrument :

BNA_F

ClientSampleId :

MMFB-4MS

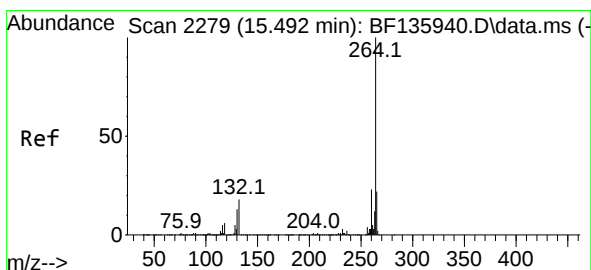
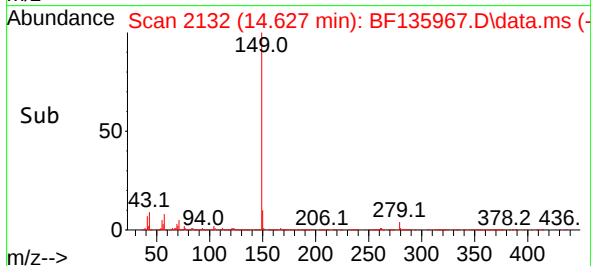
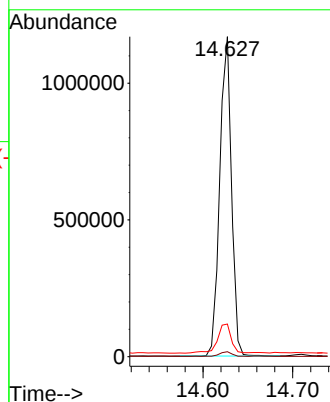
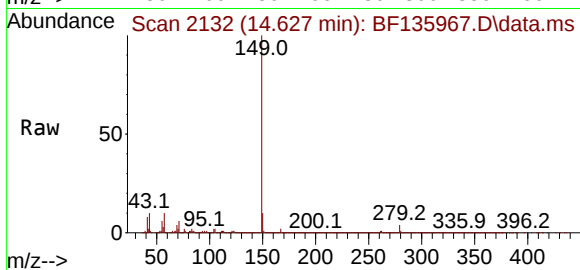
Tgt Ion:149 Resp: 1059858

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 10.5 8.6 12.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.498 min Scan# 2280

Delta R.T. 0.006 min

Lab File: BF135967.D

Acq: 26 Oct 2023 17:10

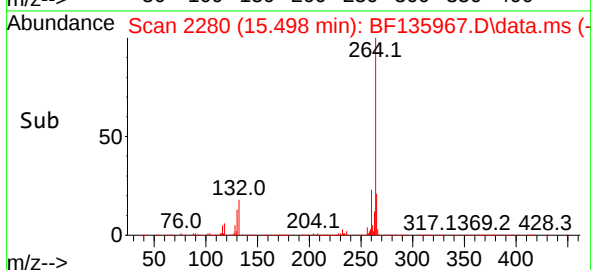
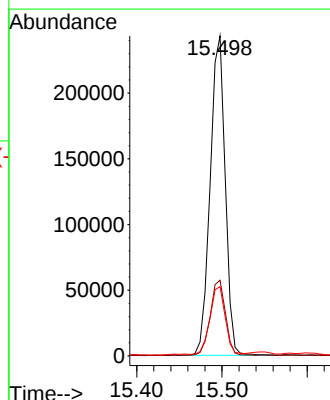
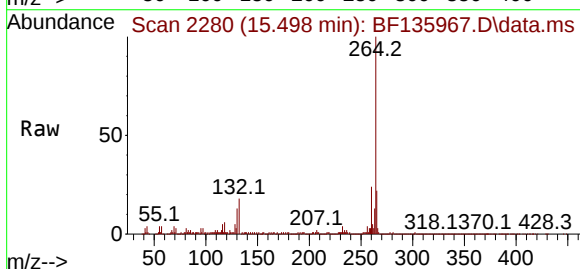
Tgt Ion:264 Resp: 297892

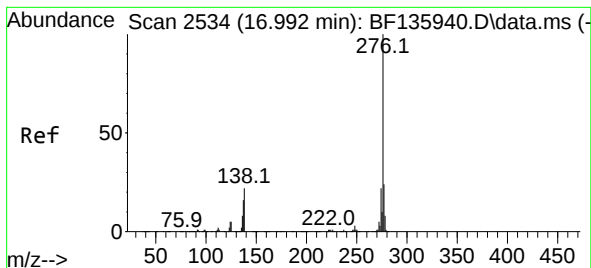
Ion Ratio Lower Upper

264 100

260 23.7 18.6 28.0

265 21.7 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 43.433 ng

RT: 17.003 min Scan# 21

Delta R.T. 0.011 min

Lab File: BF135967.D

Acq: 26 Oct 2023 17:10

Instrument :

BNA_F

ClientSampleId :

MMFB-4MS

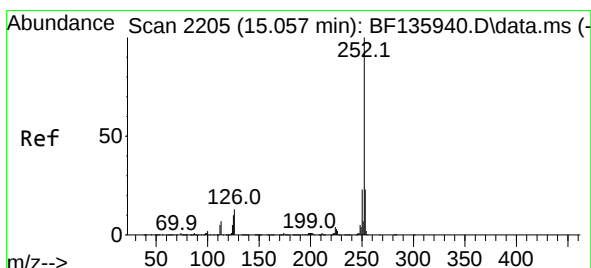
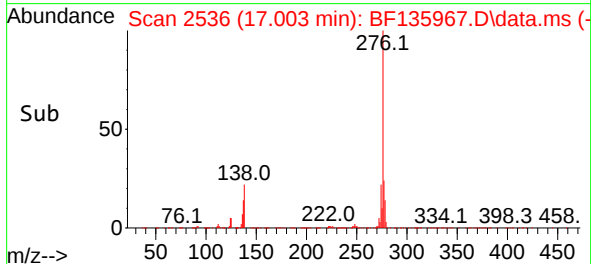
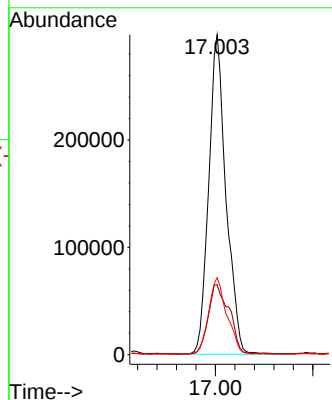
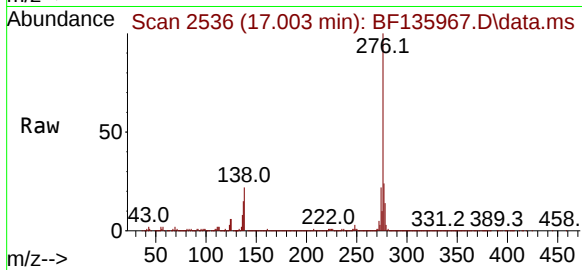
Tgt Ion:276 Resp: 733644

Ion Ratio Lower Upper

276 100

138 26.4 21.8 32.6

277 25.1 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 52.065 ng

RT: 15.062 min Scan# 2206

Delta R.T. 0.006 min

Lab File: BF135967.D

Acq: 26 Oct 2023 17:10

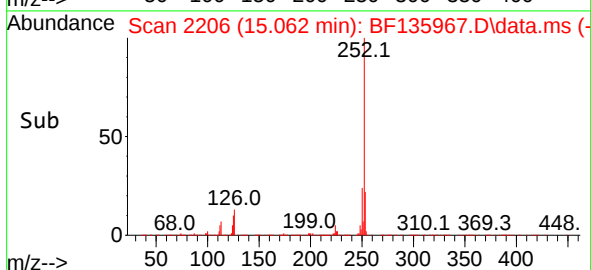
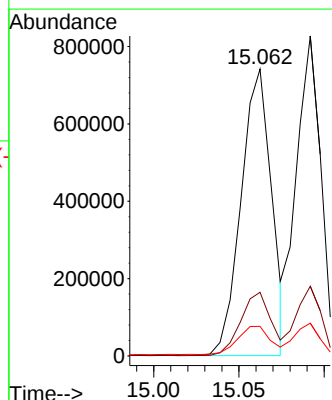
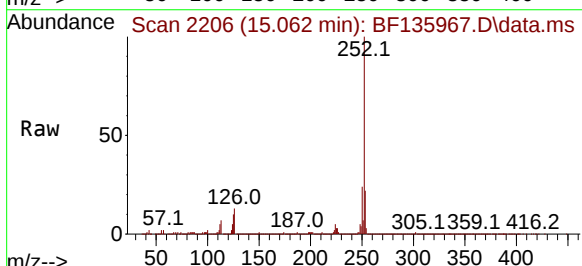
Tgt Ion:252 Resp: 923023

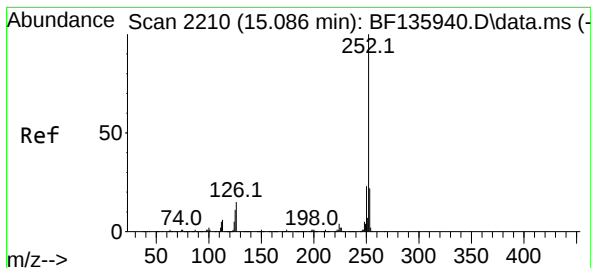
Ion Ratio Lower Upper

252 100

253 22.2 18.0 27.0

125 10.3 8.2 12.4





#89

Benzo(k)fluoranthene

Concen: 47.401 ng

RT: 15.092 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF135967.D

Acq: 26 Oct 2023 17:10

Instrument :

BNA_F

ClientSampleId :

MMFB-4MS

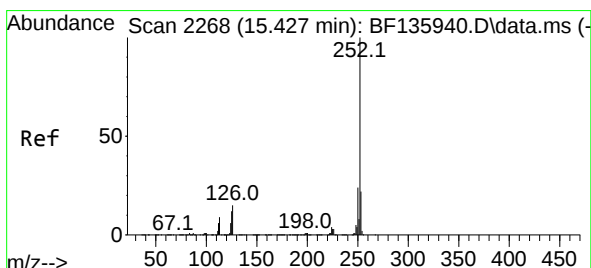
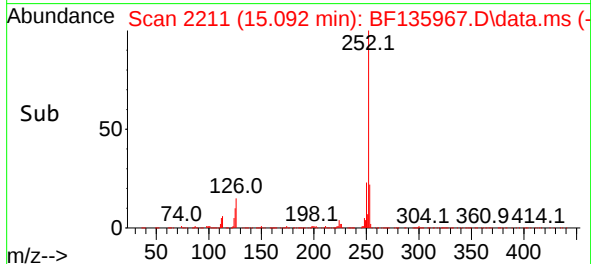
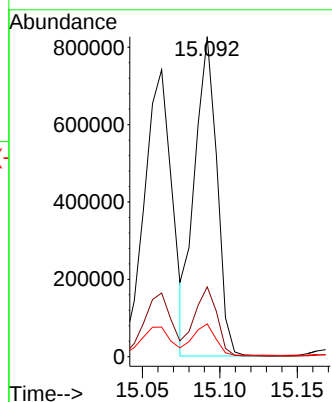
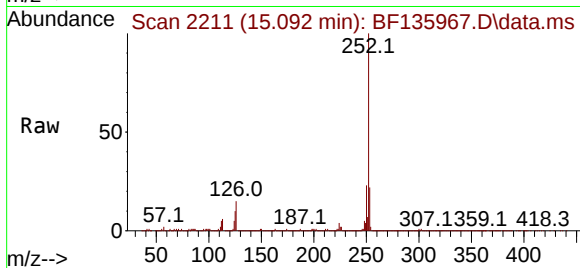
Tgt Ion:252 Resp: 825326

Ion Ratio Lower Upper

252 100

253 21.8 17.7 26.5

125 10.3 8.5 12.7



#90

Benzo(a)pyrene

Concen: 46.532 ng

RT: 15.433 min Scan# 2269

Delta R.T. 0.006 min

Lab File: BF135967.D

Acq: 26 Oct 2023 17:10

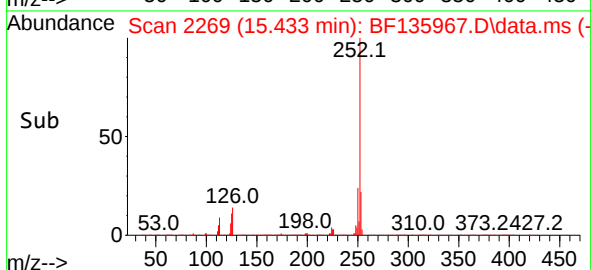
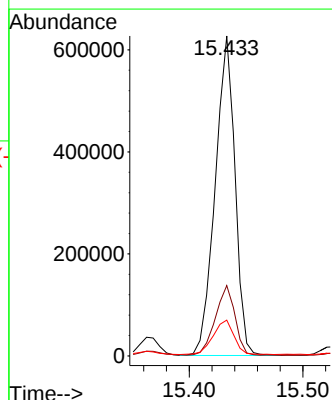
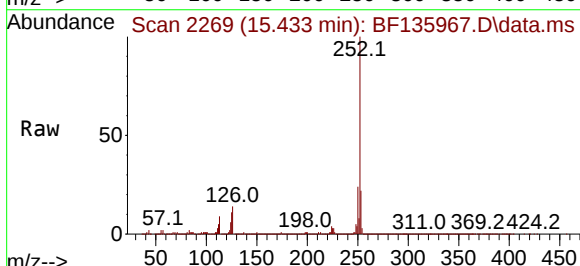
Tgt Ion:252 Resp: 760281

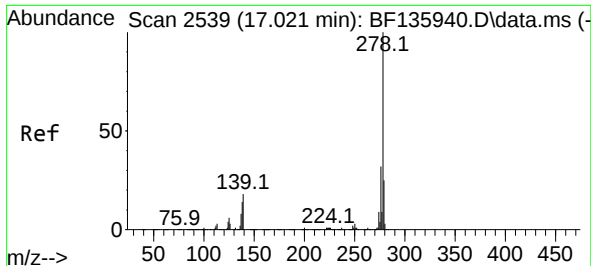
Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.2

125 11.2 9.6 14.4

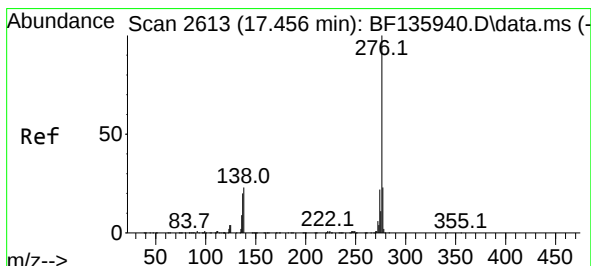
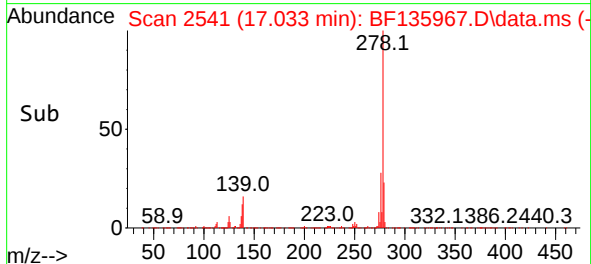
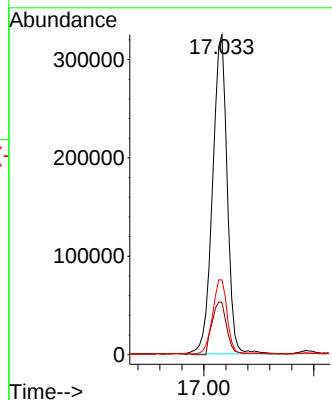
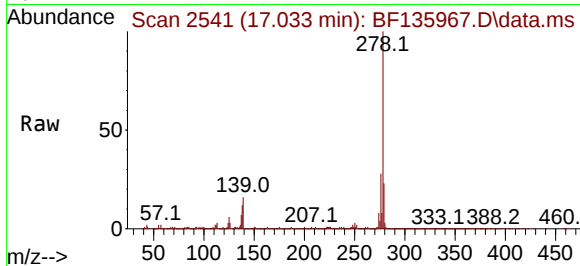




#91
Dibenzo(a,h)anthracene
Concen: 41.498 ng
RT: 17.033 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF135967.D
Acq: 26 Oct 2023 17:10

Instrument :
BNA_F
ClientSampleId :
MMFB-4MS

Tgt Ion:278 Resp: 599576
Ion Ratio Lower Upper
278 100
139 16.3 14.0 21.0
279 23.3 19.7 29.5



#92
Benzo(g,h,i)perylene
Concen: 36.411 ng
RT: 17.462 min Scan# 2614
Delta R.T. 0.006 min
Lab File: BF135967.D
Acq: 26 Oct 2023 17:10

Tgt Ion:276 Resp: 581968
Ion Ratio Lower Upper
276 100
277 23.3 18.6 28.0
138 22.5 18.4 27.6

