

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052124\
 Data File : BF137975.D
 Acq On : 21 May 2024 13:23
 Operator : CG\JU
 Sample : PB160998BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB160998BS

Quant Time: May 21 13:46:47 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF051424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 15 04:12:16 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.034	152	171696	20.000	ng	-0.01
21) Naphthalene-d8	8.322	136	678512	20.000	ng	0.00
39) Acenaphthene-d10	10.086	164	382398	20.000	ng	0.00
64) Phenanthrene-d10	11.580	188	650037	20.000	ng	0.00
76) Chrysene-d12	14.227	240	368262	20.000	ng	0.00
86) Perylene-d12	15.786	264	316687	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.675	112	1234064	122.090	ng	0.01
7) Phenol-d6	6.657	99	1545738	124.143	ng	0.00
23) Nitrobenzene-d5	7.598	82	955273	82.855	ng	-0.01
42) 2,4,6-Tribromophenol	10.880	330	538202	139.586	ng	0.00
45) 2-Fluorobiphenyl	9.398	172	2044201	82.345	ng	0.00
79) Terphenyl-d14	13.168	244	2197327	87.938	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.051	88	155162	35.435	ng	99
3) Pyridine	3.793	79	357993	36.437	ng	97
4) n-Nitrosodimethylamine	3.757	42	191510	44.184	ng	97
6) Aniline	6.698	93	382854	34.377	ng	100
8) 2-Chlorophenol	6.822	128	513847	46.975	ng	96
9) Benzaldehyde	6.592	77	417279	61.943	ng	99
10) Phenol	6.669	94	561223	44.656	ng	99
11) bis(2-Chloroethyl)ether	6.769	93	450588	46.695	ng	98
12) 1,3-Dichlorobenzene	6.975	146	533502	42.154	ng	98
13) 1,4-Dichlorobenzene	7.051	146	541871	42.655	ng	99
14) 1,2-Dichlorobenzene	7.204	146	524930	43.904	ng	98
15) Benzyl Alcohol	7.175	79	409888	49.299	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.298	45	556194	46.890	ng	98
17) 2-Methylphenol	7.275	107	401933	46.075	ng	99
18) Hexachloroethane	7.545	117	187067	43.516	ng	95
19) n-Nitroso-di-n-propyla...	7.445	70	326482	46.671	ng	97
20) 3+4-Methylphenols	7.428	107	512216	44.820	ng	92
22) Acetophenone	7.445	105	677948	44.602	ng	# 99
24) Nitrobenzene	7.616	77	490036	41.897	ng	97
25) Isophorone	7.851	82	923359	46.145	ng	99
26) 2-Nitrophenol	7.934	139	277965	47.297	ng	98
27) 2,4-Dimethylphenol	7.957	122	377070	49.835	ng	98
28) bis(2-Chloroethoxy)met...	8.057	93	561917	46.334	ng	99
29) 2,4-Dichlorophenol	8.169	162	439242	46.164	ng	100
30) 1,2,4-Trichlorobenzene	8.257	180	460275	43.326	ng	99
31) Naphthalene	8.345	128	1478597	43.341	ng	100
32) Benzoic acid	8.086	122	326945	51.116	ng	98
33) 4-Chloroaniline	8.381	127	169451	15.151	ng	98
34) Hexachlorobutadiene	8.451	225	284100	42.250	ng	98
35) Caprolactam	8.769	113	76152	27.625	ng	95
36) 4-Chloro-3-methylphenol	8.863	107	452684	46.769	ng	97
37) 2-Methylnaphthalene	9.033	142	980350	44.705	ng	98
38) 1-Methylnaphthalene	9.133	142	906920	42.067	ng	99
40) 1,2,4,5-Tetrachloroben...	9.198	216	469714	45.182	ng	99
41) Hexachlorocyclopentadiene	9.186	237	510651	129.272	ng	99
43) 2,4,6-Trichlorophenol	9.310	196	329503	48.340	ng	98

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 QLast Update : Wed May 15 04:12:16 2024
 Response via : Initial Calibration

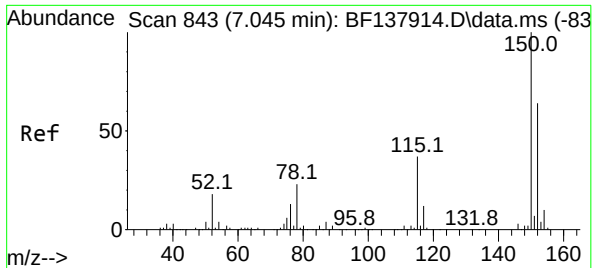
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.351	196	341435	45.779	ng	97
46) 1,1'-Biphenyl	9.498	154	1209799	45.107	ng	99
47) 2-Chloronaphthalene	9.528	162	942546	44.023	ng	98
48) 2-Nitroaniline	9.622	65	253811	46.294	ng	97
49) Acenaphthylene	9.945	152	1484031	48.206	ng	99
50) Dimethylphthalate	9.798	163	1136719	47.404	ng	99
51) 2,6-Dinitrotoluene	9.863	165	250649	45.543	ng	99
52) Acenaphthene	10.122	154	1000982	49.195	ng	99
53) 3-Nitroaniline	10.033	138	174636	32.458	ng	100
54) 2,4-Dinitrophenol	10.139	184	278000	92.324	ng	# 86
55) Dibenzofuran	10.292	168	1339840	45.246	ng	99
56) 4-Nitrophenol	10.192	139	387708	100.330	ng	94
57) 2,4-Dinitrotoluene	10.269	165	340190	47.814	ng	# 88
58) Fluorene	10.639	166	1054370	45.016	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.404	232	292740	49.963	ng	98
60) Diethylphthalate	10.498	149	1053505	47.041	ng	99
61) 4-Chlorophenyl-phenyle...	10.622	204	526651	45.595	ng	99
62) 4-Nitroaniline	10.657	138	227934	44.666	ng	97
63) Azobenzene	10.786	77	961955	47.223	ng	100
65) 4,6-Dinitro-2-methylph...	10.680	198	189203	50.409	ng	99
66) n-Nitrosodiphenylamine	10.745	169	920101	46.156	ng	99
67) 4-Bromophenyl-phenylether	11.116	248	334045	46.875	ng	99
68) Hexachlorobenzene	11.186	284	358828	45.552	ng	99
69) Atrazine	11.269	200	305152	56.058	ng	99
70) Pentachlorophenol	11.380	266	434268	94.115	ng	98
71) Phenanthrene	11.604	178	1464102	45.706	ng	99
72) Anthracene	11.657	178	1482134	46.633	ng	99
73) Carbazole	11.810	167	1296515	44.656	ng	99
74) Di-n-butylphthalate	12.127	149	1580704	49.058	ng	100
75) Fluoranthene	12.798	202	1458754	44.865	ng	99
77) Benzidine	12.910	184	64345	13.370	ng	98
78) Pyrene	13.027	202	1460999	45.359	ng	99
80) Butylbenzylphthalate	13.633	149	526414	54.184	ng	98
81) Benzo(a)anthracene	14.215	228	1112747	47.760	ng	99
82) 3,3'-Dichlorobenzidine	14.174	252	225018	34.850	ng	98
83) Chrysene	14.257	228	1030714	46.257	ng	99
84) Bis(2-ethylhexyl)phtha...	14.186	149	679137	55.609	ng	99
85) Di-n-octyl phthalate	14.815	149	956279	57.961	ng	99
87) Indeno(1,2,3-cd)pyrene	17.421	276	1018524	50.060	ng	99
88) Benzo(b)fluoranthene	15.321	252	885491	48.292	ng	99
89) Benzo(k)fluoranthene	15.351	252	894897	49.679	ng	99
90) Benzo(a)pyrene	15.721	252	800710	51.139	ng	98
91) Dibenzo(a,h)anthracene	17.439	278	839562	49.943	ng	99
92) Benzo(g,h,i)perylene	17.915	276	814982	46.150	ng	100

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

PB160998BS

Response via : Initial Calibration

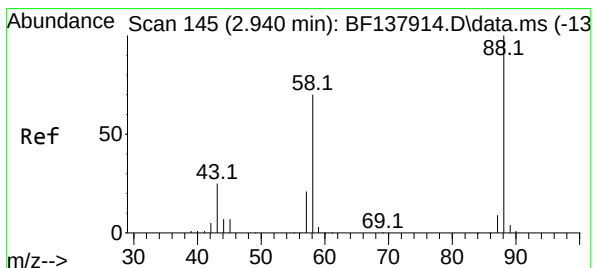
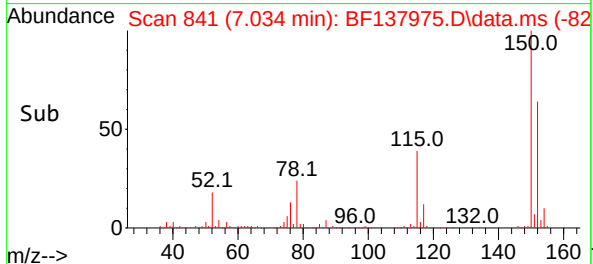
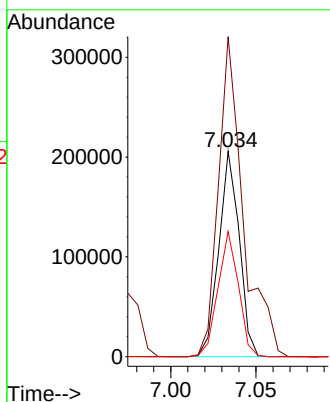
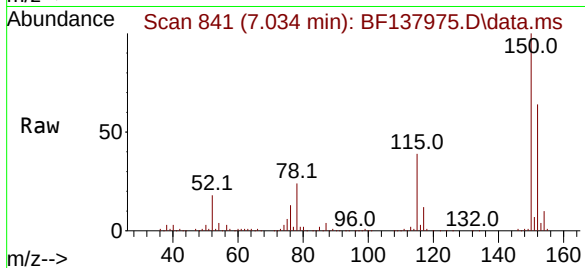




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.034 min Scan# 84
 Delta R.T. -0.011 min
 Lab File: BF137975.D
 Acq: 21 May 2024 13:23

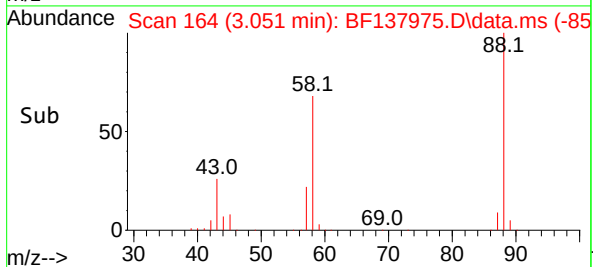
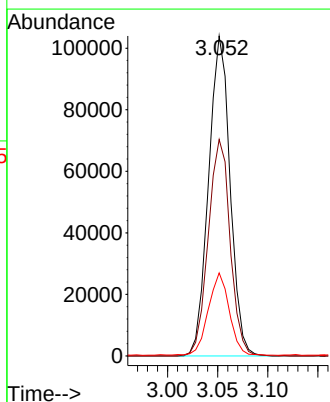
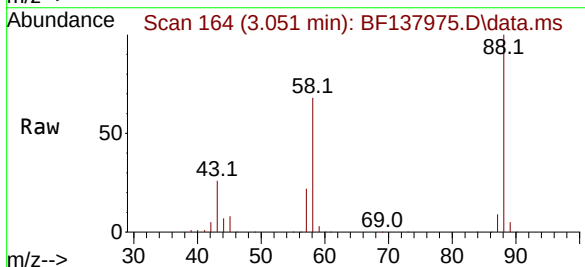
Instrument :
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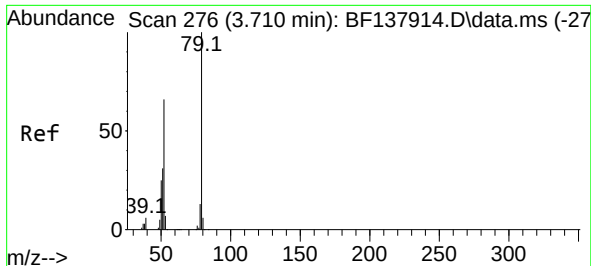
Tgt Ion:152 Resp: 171696
 Ion Ratio Lower Upper
 152 100
 150 155.9 125.7 188.5
 115 61.0 47.0 70.6



#2
 1,4-Dioxane
 Concen: 35.435 ng
 RT: 3.051 min Scan# 164
 Delta R.T. 0.112 min
 Lab File: BF137975.D
 Acq: 21 May 2024 13:23

Tgt Ion: 88 Resp: 155162
 Ion Ratio Lower Upper
 88 100
 58 68.9 54.4 81.6
 43 25.2 19.6 29.4

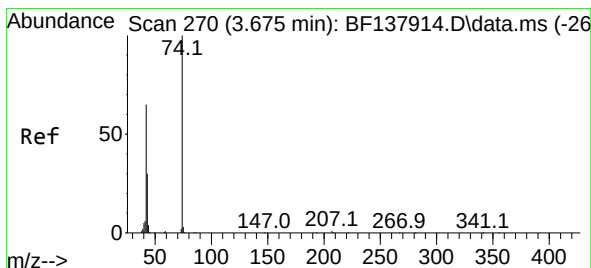
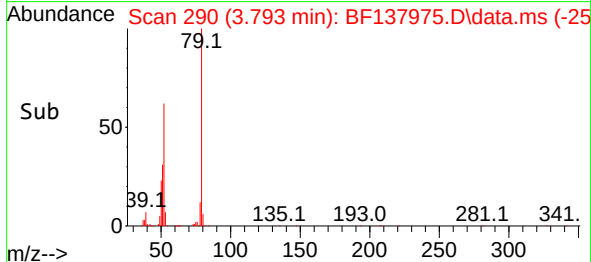
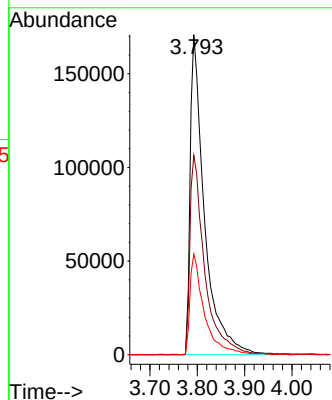
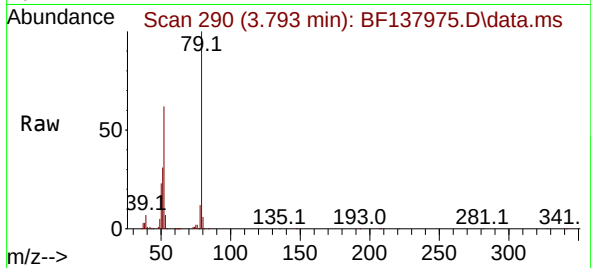




#3
Pyridine
Concen: 36.437 ng
RT: 3.793 min Scan# 24
Delta R.T. 0.082 min
Lab File: BF137975.D
Acq: 21 May 2024 13:23

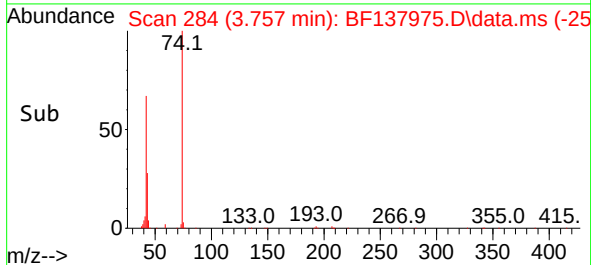
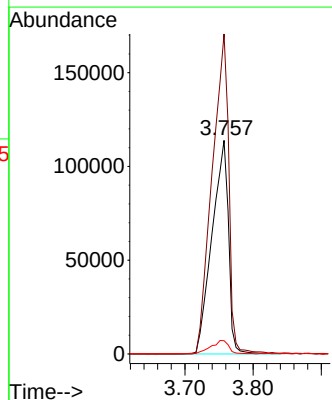
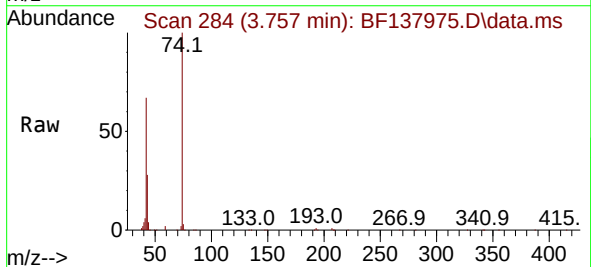
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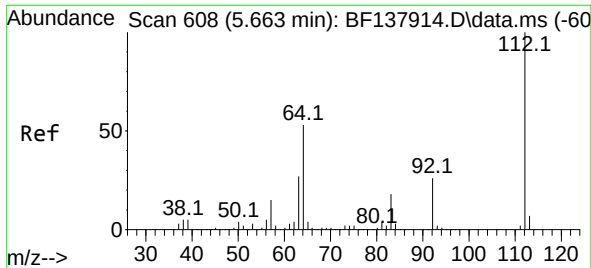
Tgt Ion: 79 Resp: 357993
Ion Ratio Lower Upper
79 100
52 62.2 52.5 78.7
51 31.4 25.1 37.7



#4
n-Nitrosodimethylamine
Concen: 44.184 ng
RT: 3.757 min Scan# 284
Delta R.T. 0.082 min
Lab File: BF137975.D
Acq: 21 May 2024 13:23

Tgt Ion: 42 Resp: 191510
Ion Ratio Lower Upper
42 100
74 149.8 123.1 184.7
44 6.2 5.0 7.6

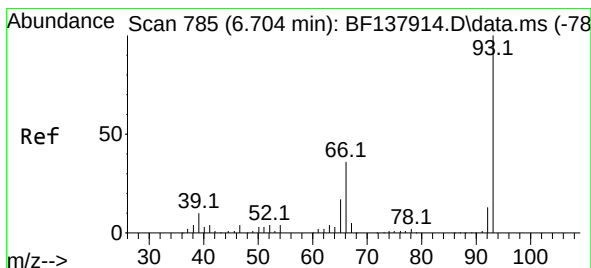
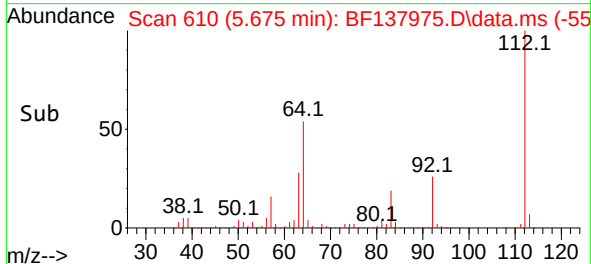
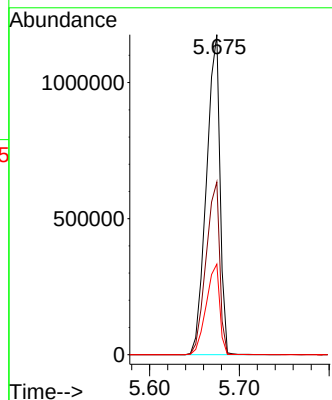
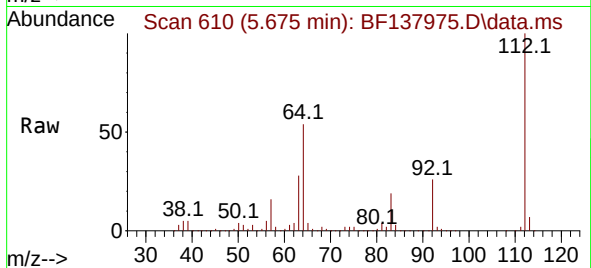




#5
2-Fluorophenol
Concen: 122.090 ng
RT: 5.675 min Scan# 61
Delta R.T. 0.012 min
Lab File: BF137975.D
Acq: 21 May 2024 13:23

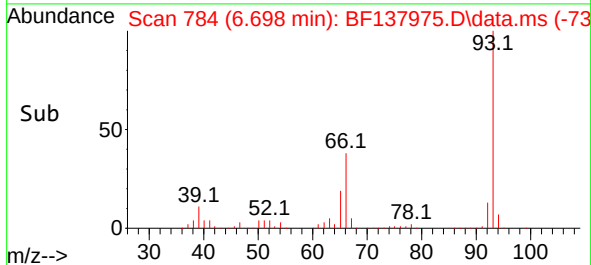
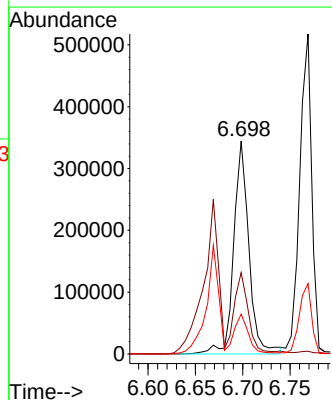
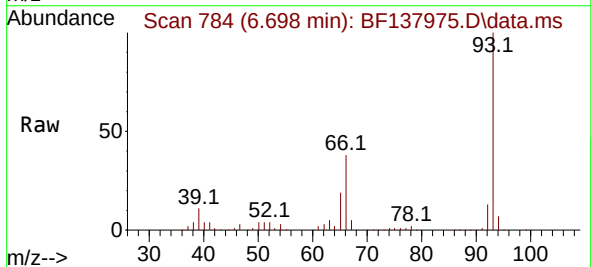
Instrument :
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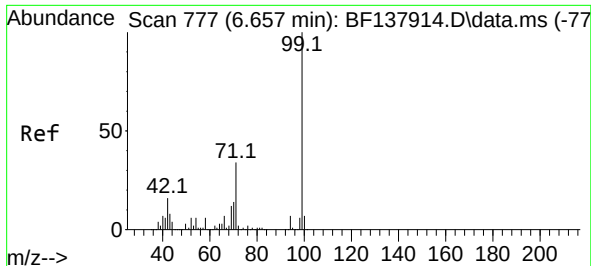
Tgt Ion:112 Resp: 1234064
Ion Ratio Lower Upper
112 100
64 54.0 42.4 63.6
63 28.3 21.4 32.2



#6
Aniline
Concen: 34.377 ng
RT: 6.698 min Scan# 784
Delta R.T. -0.006 min
Lab File: BF137975.D
Acq: 21 May 2024 13:23

Tgt Ion: 93 Resp: 382854
Ion Ratio Lower Upper
93 100
66 38.2 30.7 46.1
65 18.7 15.0 22.4



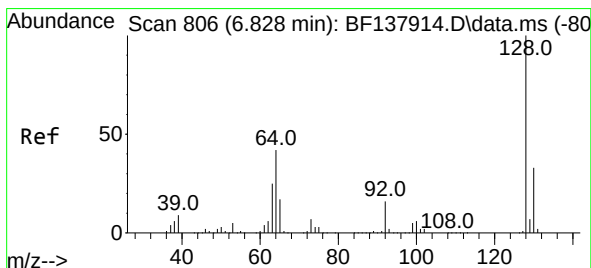
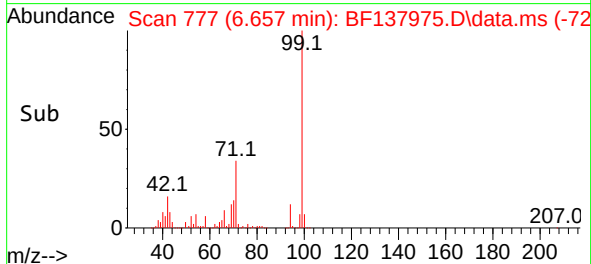
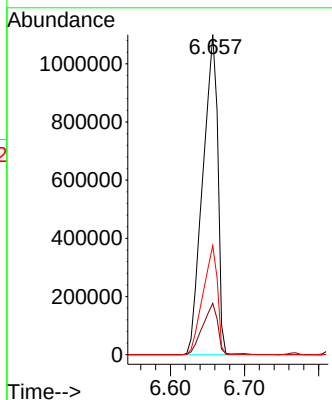
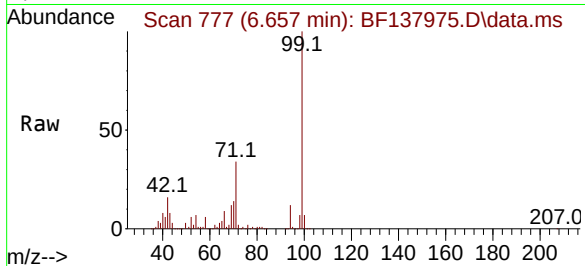


#7
Phenol-d6
Concen: 124.143 ng
RT: 6.657 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF137975.D
Acq: 21 May 2024 13:23

Instrument :
BNA_F
ClientSampleId :
PB160998BS

Tgt Ion: 99 Resp: 1545738

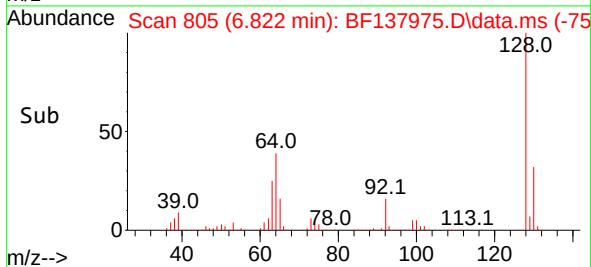
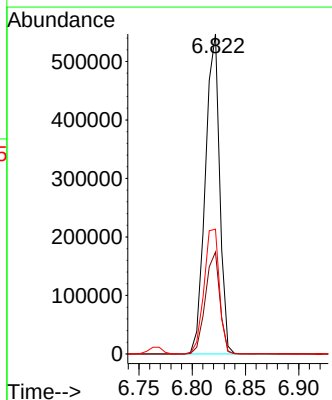
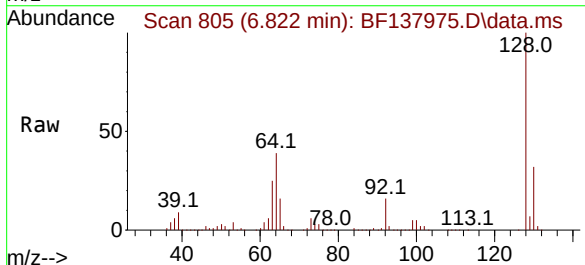
Ion	Ratio	Lower	Upper
99	100		
42	16.1	12.6	18.8
71	34.1	27.1	40.7

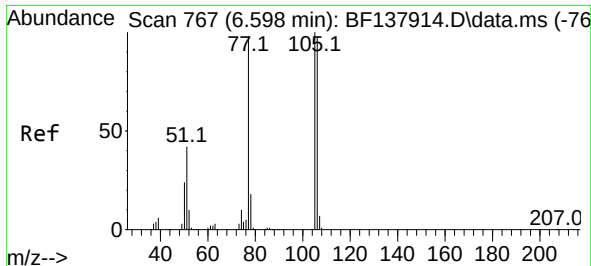


#8
2-Chlorophenol
Concen: 46.975 ng
RT: 6.822 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF137975.D
Acq: 21 May 2024 13:23

Tgt Ion:128 Resp: 513847

Ion	Ratio	Lower	Upper
128	100		
130	31.8	12.8	52.8
64	39.0	22.2	62.2

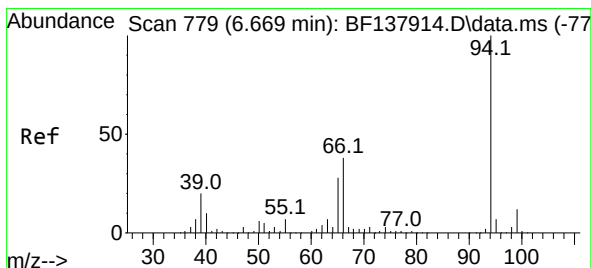
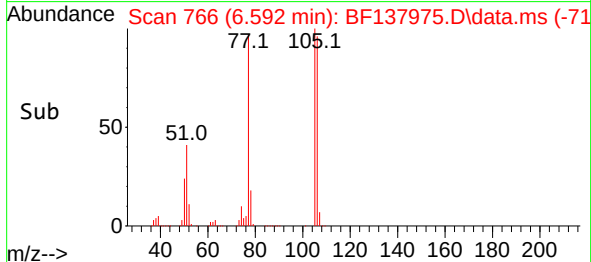
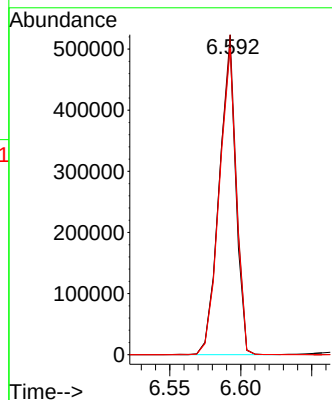
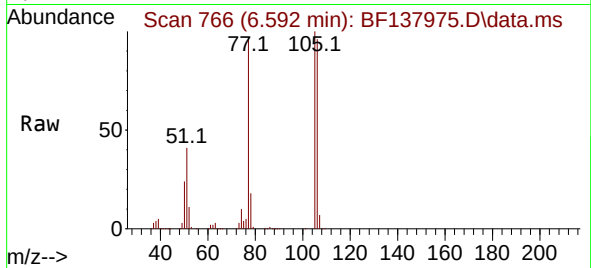




#9
Benzaldehyde
Concen: 61.943 ng
RT: 6.592 min Scan# 766
Delta R.T. -0.006 min
Lab File: BF137975.D
Acq: 21 May 2024 13:23

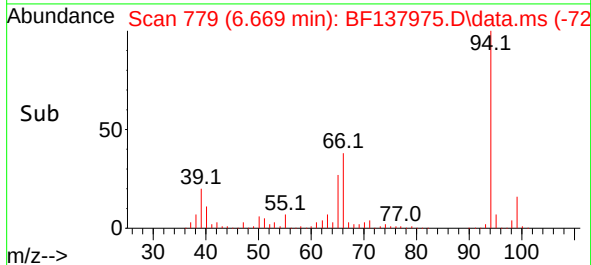
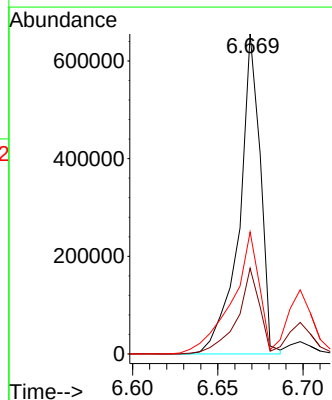
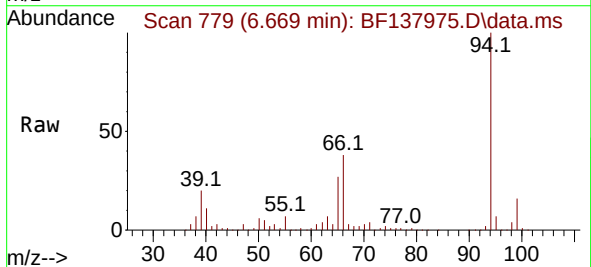
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ClientSampleId :
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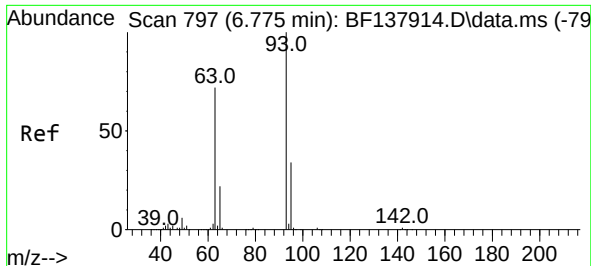
Tgt Ion: 77 Resp: 417279
Ion Ratio Lower Upper
77 100
105 103.2 82.3 122.3
106 98.9 79.2 119.2



#10
Phenol
Concen: 44.656 ng
RT: 6.669 min Scan# 779
Delta R.T. 0.000 min
Lab File: BF137975.D
Acq: 21 May 2024 13:23

Tgt Ion: 94 Resp: 561223
Ion Ratio Lower Upper
94 100
65 26.8 7.8 47.8
66 38.1 18.6 58.6





#11

bis(2-Chloroethyl)ether

Concen: 46.695 ng

RT: 6.769 min Scan# 797

Delta R.T. -0.006 min

Lab File: BF137975.D

Acq: 21 May 2024 13:23

Instrument :

BNA_F

ClientSampleId :

PB160998BS

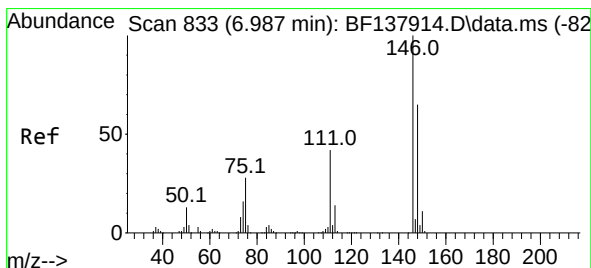
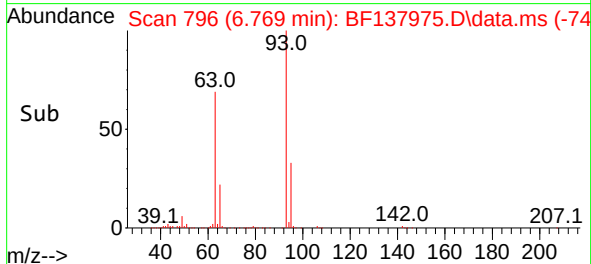
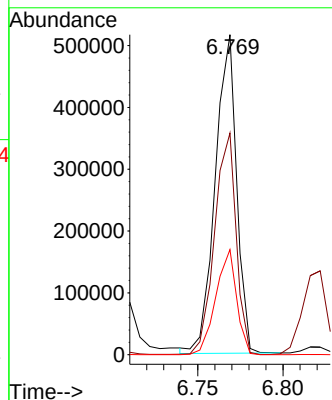
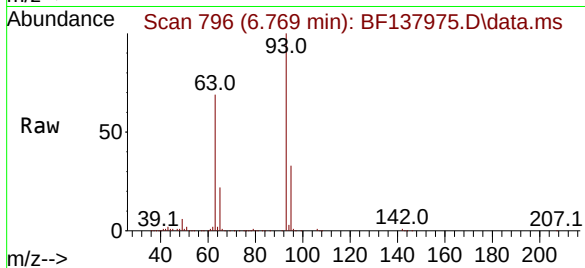
Tgt Ion: 93 Resp: 450588

Ion Ratio Lower Upper

93 100

63 69.3 51.4 91.4

95 32.9 13.5 53.5



#12

1,3-Dichlorobenzene

Concen: 42.154 ng

RT: 6.975 min Scan# 831

Delta R.T. -0.012 min

Lab File: BF137975.D

Acq: 21 May 2024 13:23

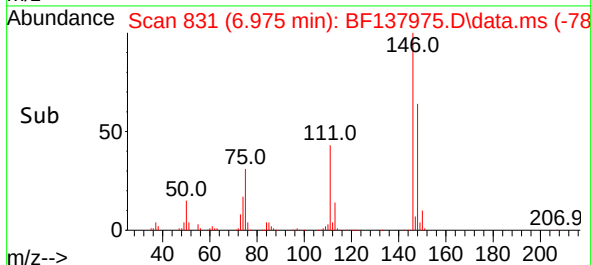
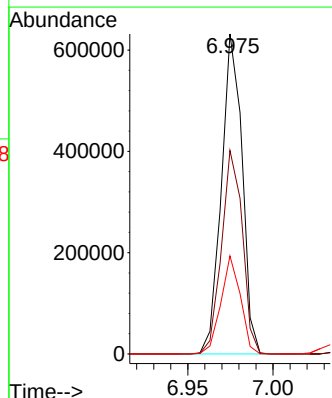
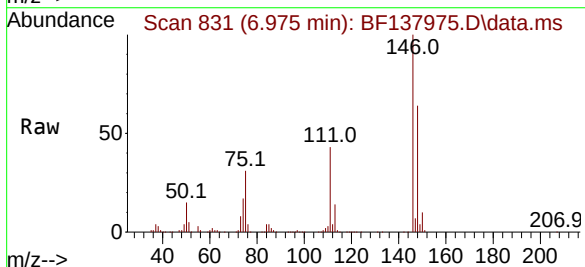
Tgt Ion:146 Resp: 533502

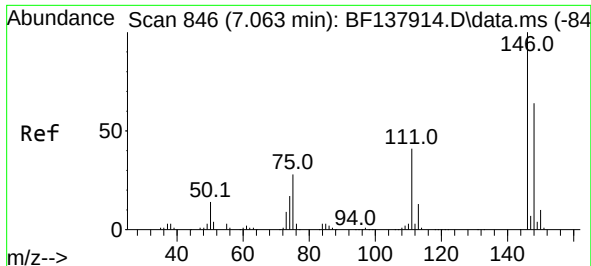
Ion Ratio Lower Upper

146 100

148 63.6 51.7 77.5

75 30.6 22.4 33.6





#13

1,4-Dichlorobenzene

Concen: 42.655 ng

RT: 7.051 min Scan# 84

Delta R.T. -0.012 min

Lab File: BF137975.D

Acq: 21 May 2024 13:23

Instrument :

BNA_F

ClientSampleId :

PB160998BS

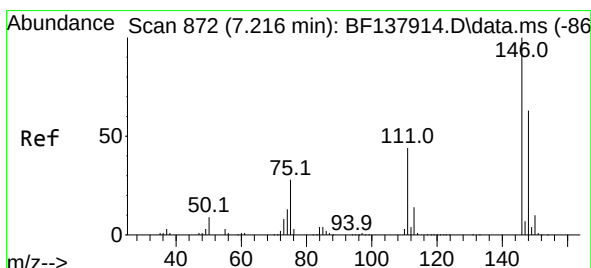
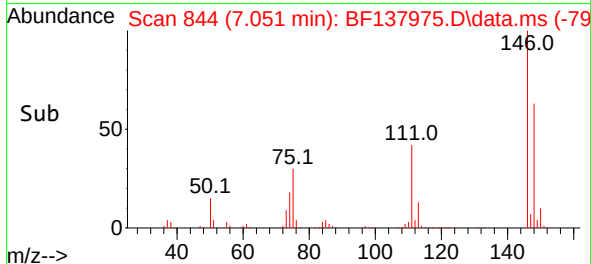
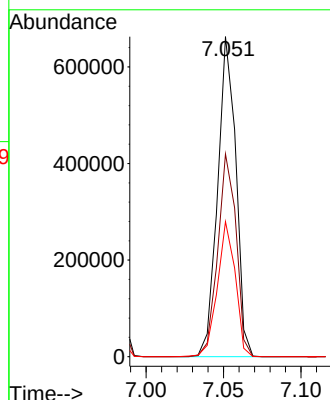
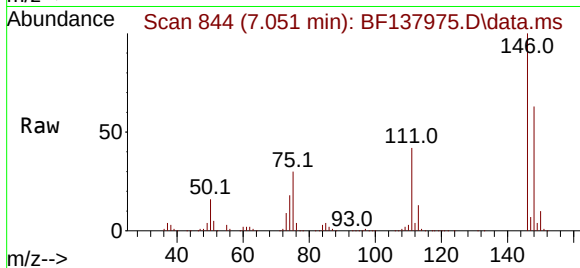
Tgt Ion:146 Resp: 541871

Ion Ratio Lower Upper

146 100

148 63.3 51.0 76.6

111 42.2 32.5 48.7



#14

1,2-Dichlorobenzene

Concen: 43.904 ng

RT: 7.204 min Scan# 870

Delta R.T. -0.012 min

Lab File: BF137975.D

Acq: 21 May 2024 13:23

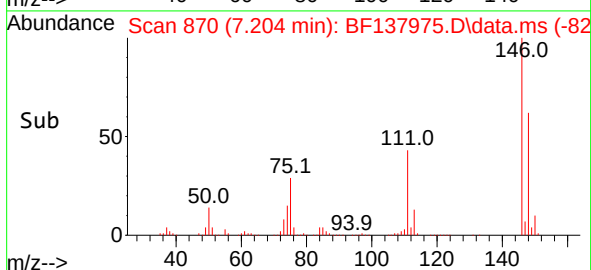
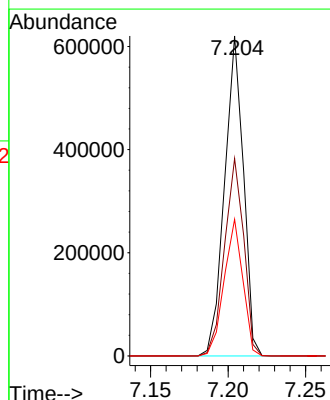
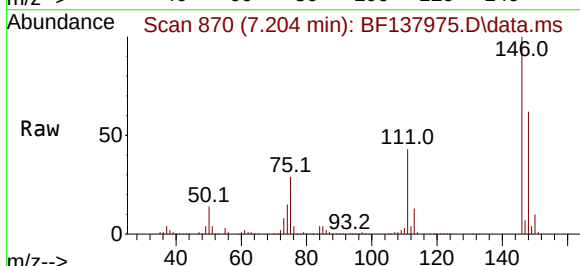
Tgt Ion:146 Resp: 524930

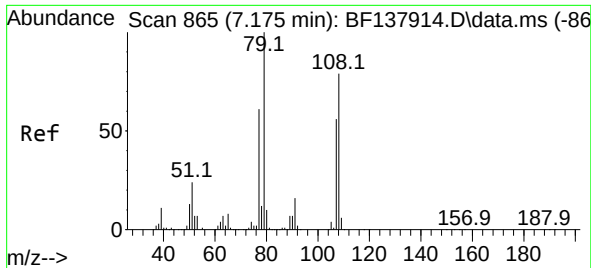
Ion Ratio Lower Upper

146 100

148 61.7 50.2 75.4

111 42.7 35.1 52.7

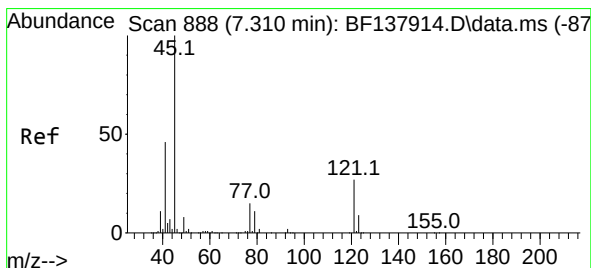
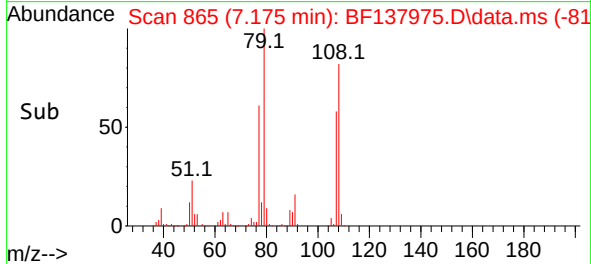
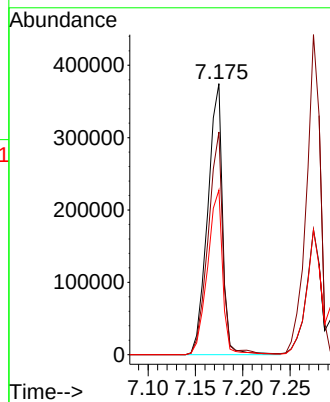
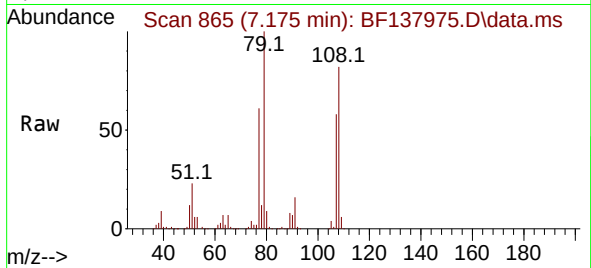




#15
Benzyl Alcohol
Concen: 49.299 ng
RT: 7.175 min Scan# 865
Delta R.T. 0.000 min
Lab File: BF137975.D
Acq: 21 May 2024 13:23

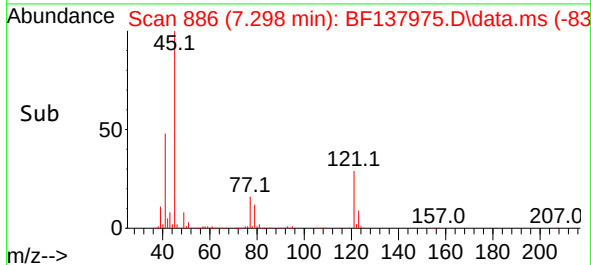
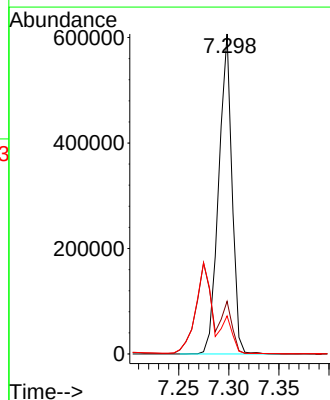
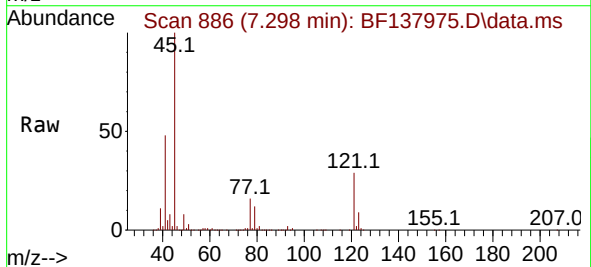
Instrument :
BNA_F
ClientSampleId :
PB160998BS

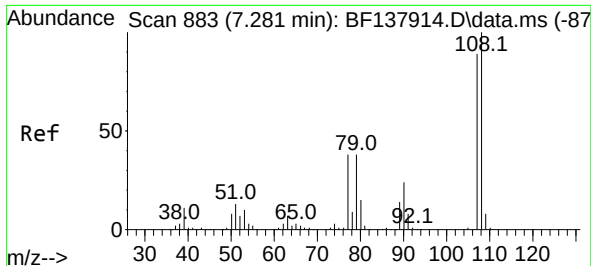
Tgt Ion: 79 Resp: 409888
Ion Ratio Lower Upper
79 100
108 82.1 62.8 94.2
77 60.7 48.7 73.1



#16
2,2'-oxybis(1-Chloropropane)
Concen: 46.890 ng
RT: 7.298 min Scan# 886
Delta R.T. -0.012 min
Lab File: BF137975.D
Acq: 21 May 2024 13:23

Tgt Ion: 45 Resp: 556194
Ion Ratio Lower Upper
45 100
77 16.5 0.0 35.3
79 11.9 0.0 32.1

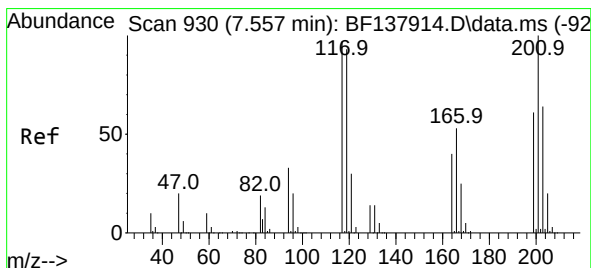
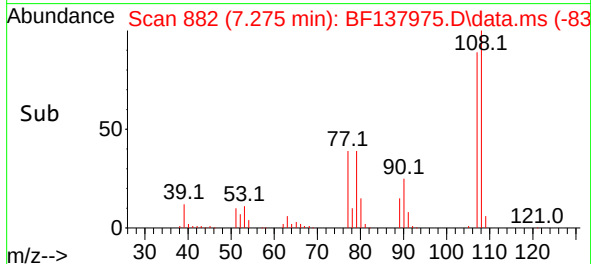
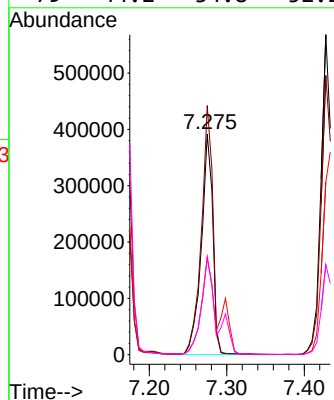
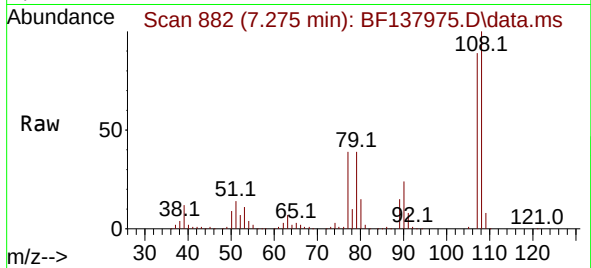




#17
2-Methylphenol
Concen: 46.075 ng
RT: 7.275 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF137975.D
Acq: 21 May 2024 13:23

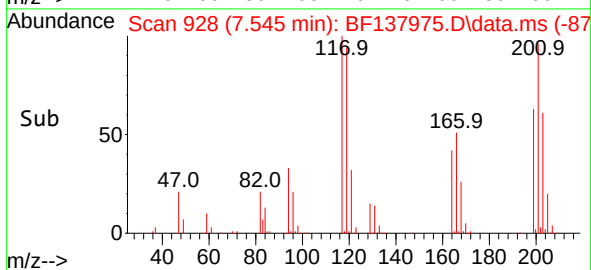
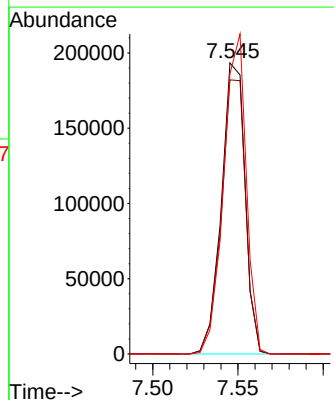
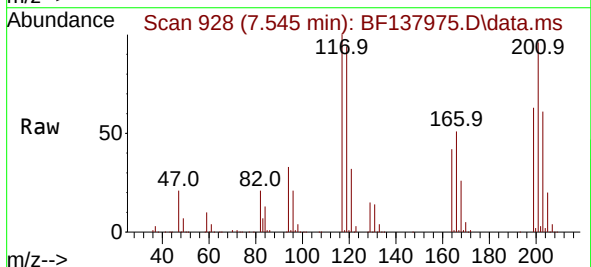
Instrument :
BNA_F
ClientSampleId :
PB160998BS

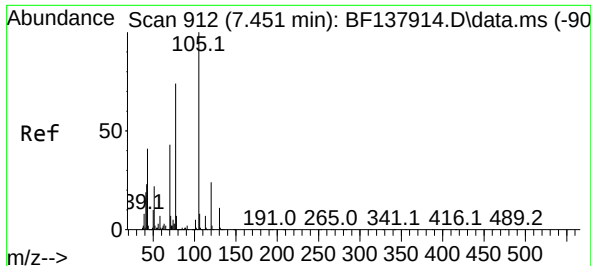
Tgt Ion:107 Resp: 401933
Ion Ratio Lower Upper
107 100
108 112.9 90.1 135.1
77 44.1 34.3 51.5
79 44.2 34.8 52.2



#18
Hexachloroethane
Concen: 43.516 ng
RT: 7.545 min Scan# 928
Delta R.T. -0.012 min
Lab File: BF137975.D
Acq: 21 May 2024 13:23

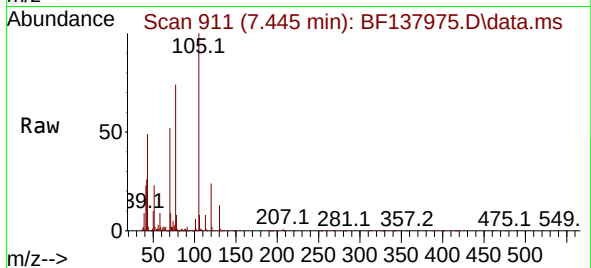
Tgt Ion:117 Resp: 187067
Ion Ratio Lower Upper
117 100
119 94.1 76.8 115.2
201 96.3 82.7 124.1



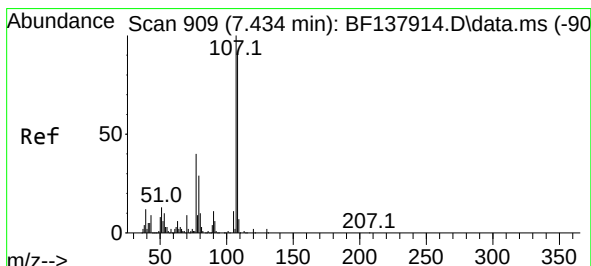
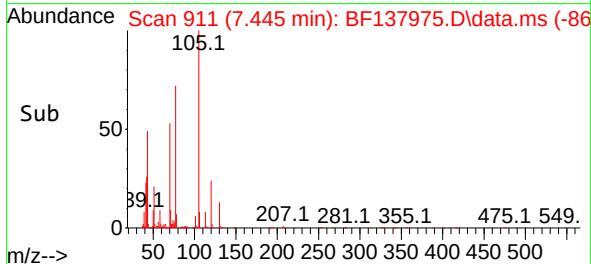
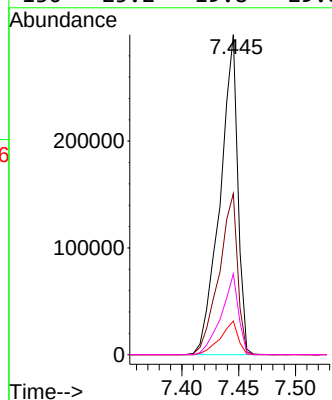


#19
n-Nitroso-di-n-propylamine
Concen: 46.671 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.006 min
Lab File: BF137975.D
Acq: 21 May 2024 13:23

Instrument :
BNA_F
ClientSampleId :
PB160998BS

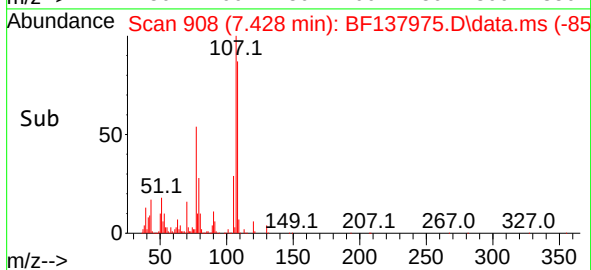
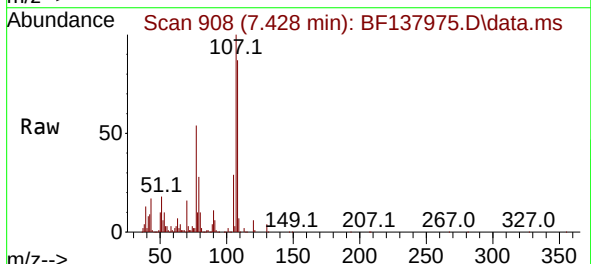
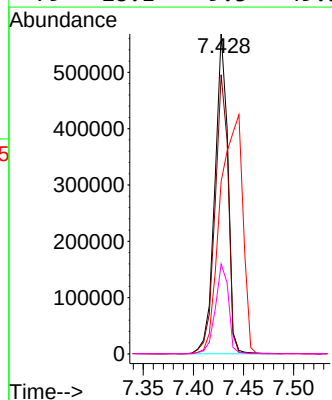


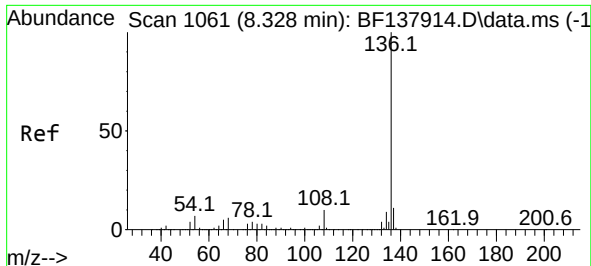
Tgt Ion: 70 Resp: 326482
Ion Ratio Lower Upper
70 100
42 50.3 42.2 63.4
101 10.5 8.8 13.2
130 25.2 19.8 29.8



#20
3+4-Methylphenols
Concen: 44.820 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF137975.D
Acq: 21 May 2024 13:23

Tgt Ion: 107 Resp: 512216
Ion Ratio Lower Upper
107 100
108 87.2 70.8 110.8
77 54.0 20.2 60.2
79 28.1 9.3 49.3





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.322 min Scan# 1060
Delta R.T. -0.006 min
Lab File: BF137975.D
Acq: 21 May 2024 13:23

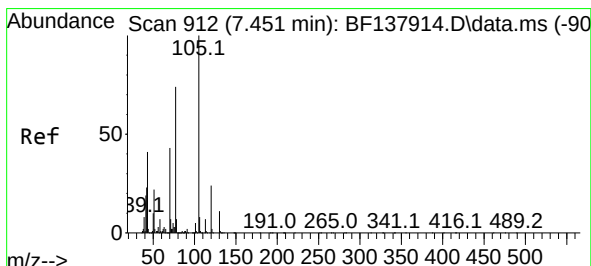
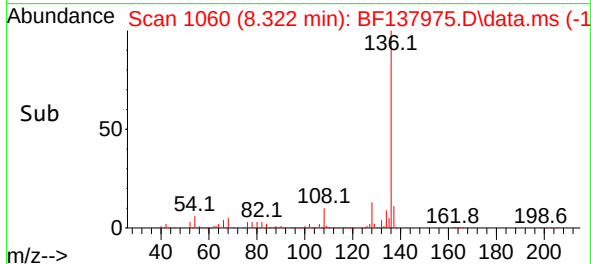
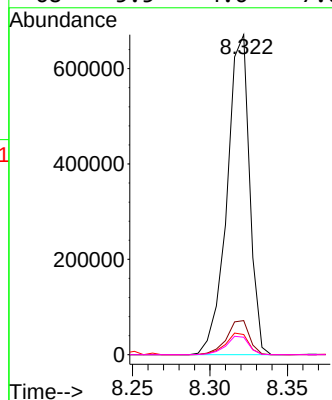
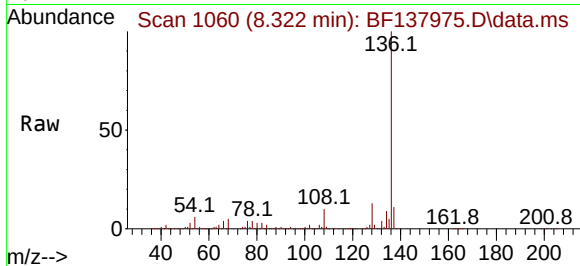
Instrument :

BNA_F

ClientSampleId :

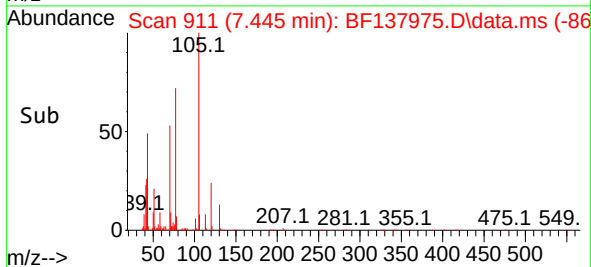
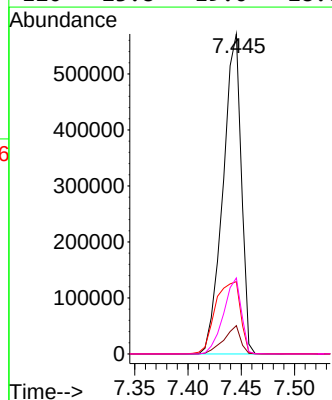
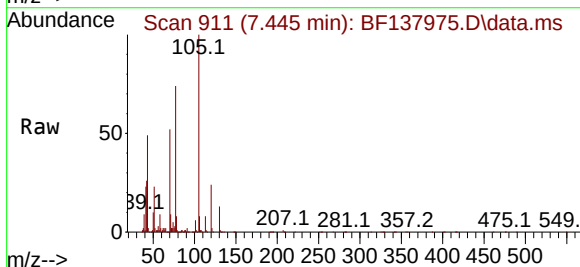
PB160998BS

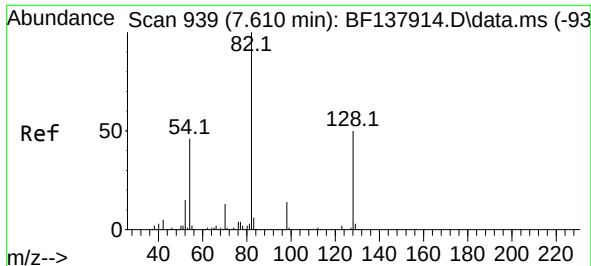
Tgt Ion:136 Resp: 678512
Ion Ratio Lower Upper
136 100
137 10.7 8.7 13.1
54 6.3 5.4 8.2
68 5.5 4.6 7.0



#22
Acetophenone
Concen: 44.602 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.006 min
Lab File: BF137975.D
Acq: 21 May 2024 13:23

Tgt Ion:105 Resp: 677948
Ion Ratio Lower Upper
105 100
71 8.9 5.7 8.5#
51 22.6 17.8 26.8
120 23.8 19.0 28.6

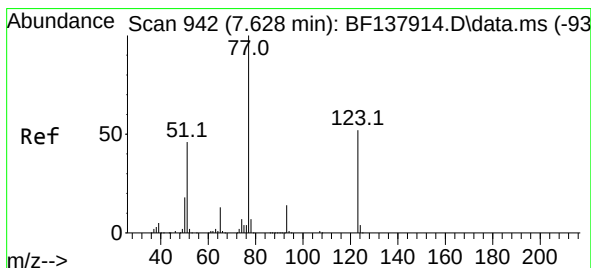
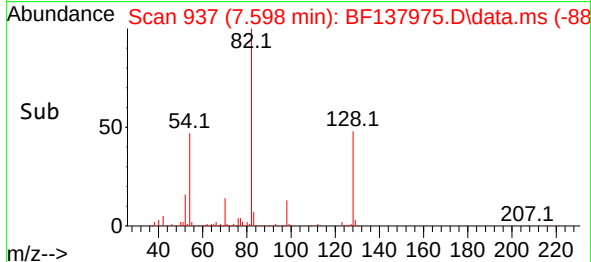
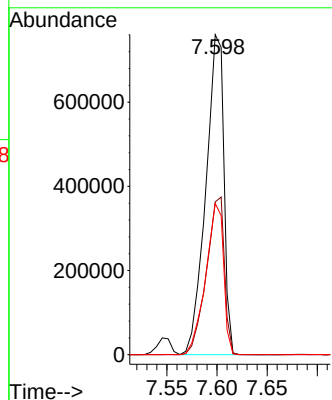
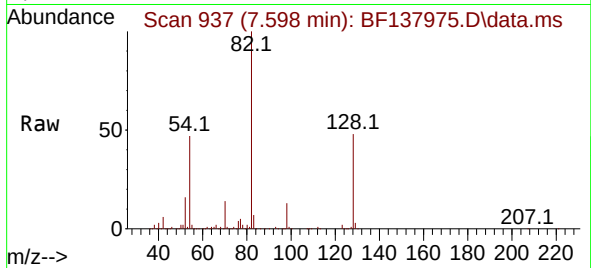




#23
Nitrobenzene-d5
Concen: 82.855 ng
RT: 7.598 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF137975.D
Acq: 21 May 2024 13:23

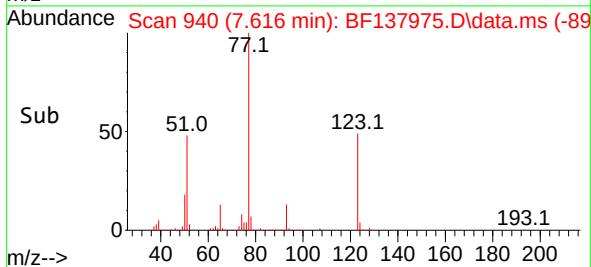
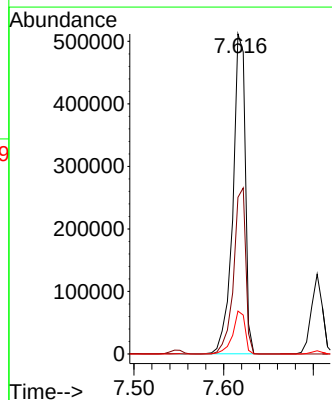
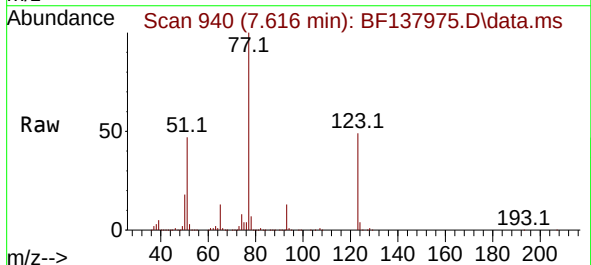
Instrument :
BNA_F
ClientSampleId :
PB160998BS

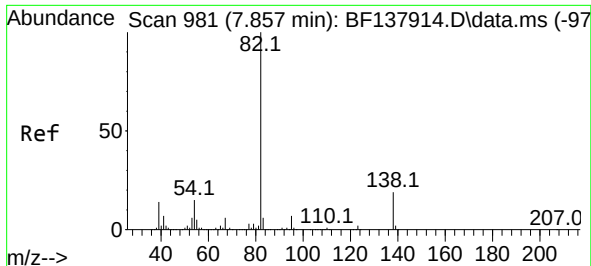
Tgt Ion: 82 Resp: 955273
Ion Ratio Lower Upper
82 100
128 47.7 40.3 60.5
54 47.3 36.8 55.2



#24
Nitrobenzene
Concen: 41.897 ng
RT: 7.616 min Scan# 940
Delta R.T. -0.012 min
Lab File: BF137975.D
Acq: 21 May 2024 13:23

Tgt Ion: 77 Resp: 490036
Ion Ratio Lower Upper
77 100
123 48.9 41.4 62.2
65 13.4 10.5 15.7

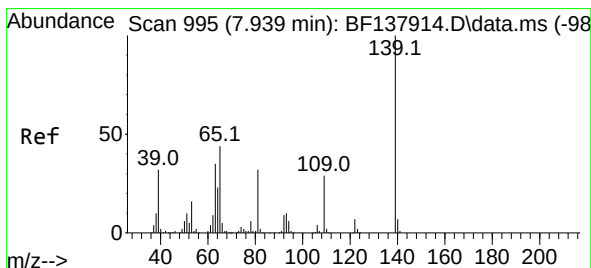
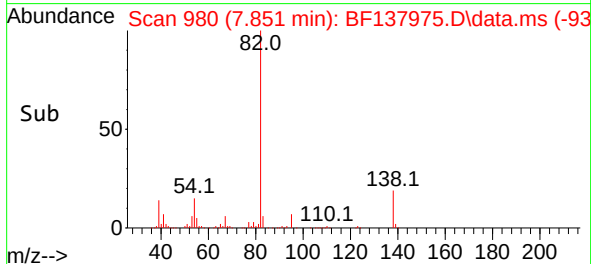
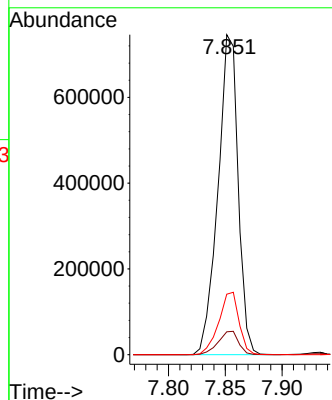
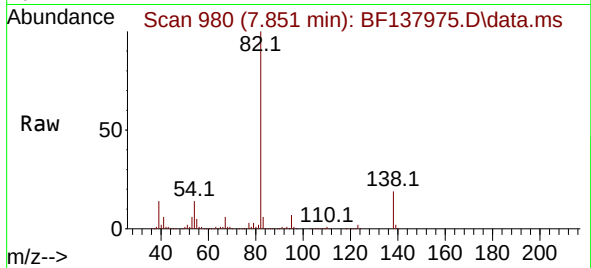




#25
Isophorone
Concen: 46.145 ng
RT: 7.851 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF137975.D
Acq: 21 May 2024 13:23

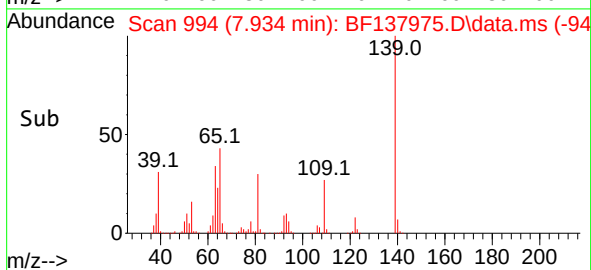
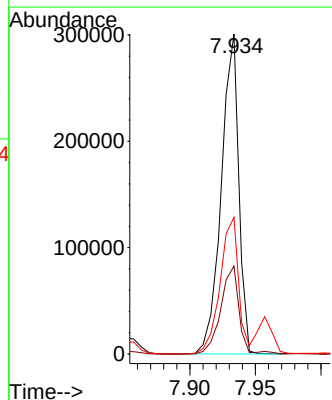
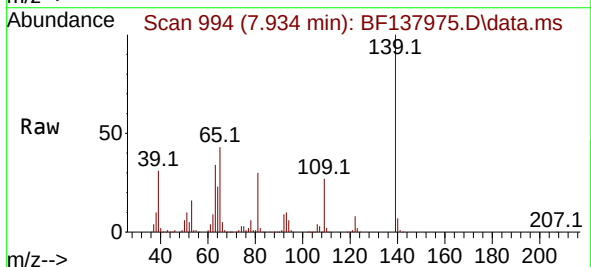
Instrument :
BNA_F
ClientSampleId :
PB160998BS

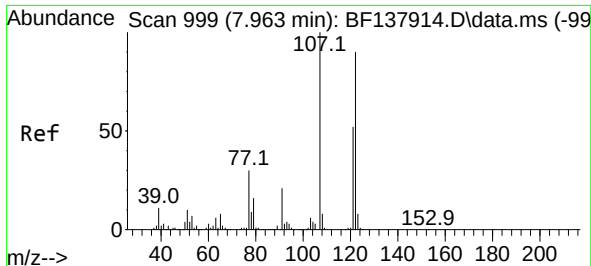
Tgt Ion: 82 Resp: 923359
Ion Ratio Lower Upper
82 100
95 7.2 6.0 9.0
138 18.9 15.0 22.4



#26
2-Nitrophenol
Concen: 47.297 ng
RT: 7.934 min Scan# 994
Delta R.T. -0.006 min
Lab File: BF137975.D
Acq: 21 May 2024 13:23

Tgt Ion:139 Resp: 277965
Ion Ratio Lower Upper
139 100
109 27.4 22.8 34.2
65 42.7 35.2 52.8





#27

2,4-Dimethylphenol

Concen: 49.835 ng

RT: 7.957 min Scan# 99

Delta R.T. -0.006 min

Lab File: BF137975.D

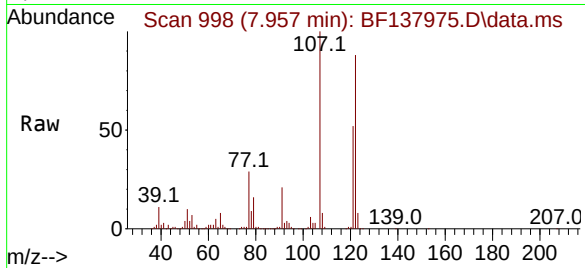
Acq: 21 May 2024 13:23

Instrument :

BNA_F

ClientSampleId :

PB160998BS



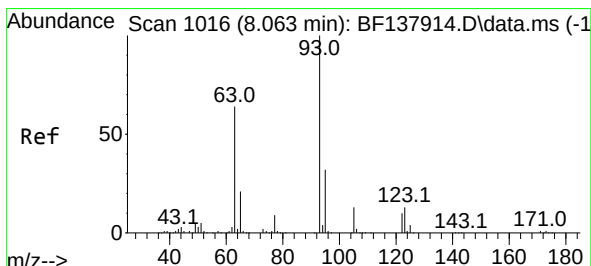
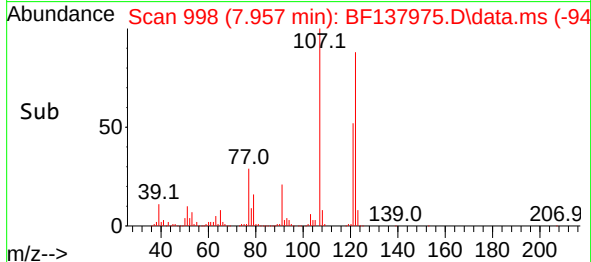
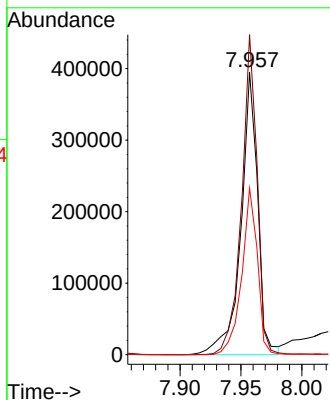
Tgt Ion:122 Resp: 377070

Ion Ratio Lower Upper

122 100

107 113.2 89.0 133.4

121 59.0 46.2 69.4



#28

bis(2-Chloroethoxy)methane

Concen: 46.334 ng

RT: 8.057 min Scan# 1015

Delta R.T. -0.006 min

Lab File: BF137975.D

Acq: 21 May 2024 13:23

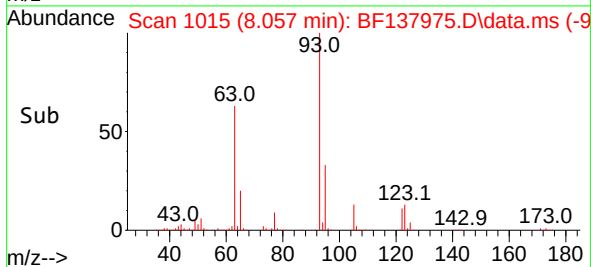
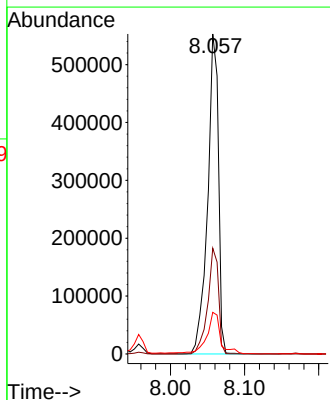
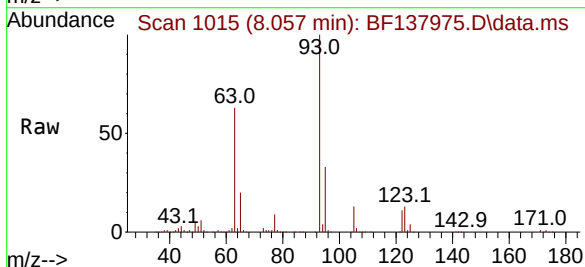
Tgt Ion: 93 Resp: 561917

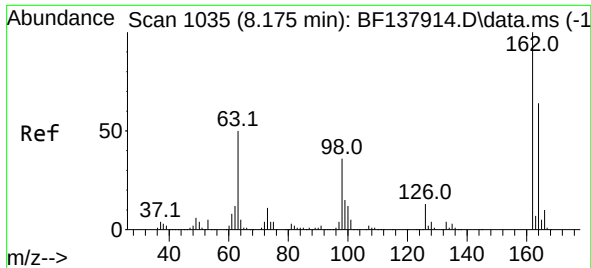
Ion Ratio Lower Upper

93 100

95 33.1 25.9 38.9

123 13.0 10.4 15.6





#29

2,4-Dichlorophenol

Concen: 46.164 ng

RT: 8.169 min Scan# 1034

Delta R.T. -0.006 min

Lab File: BF137975.D

Acq: 21 May 2024 13:23

Instrument :

BNA_F

ClientSampleId :

PB160998BS

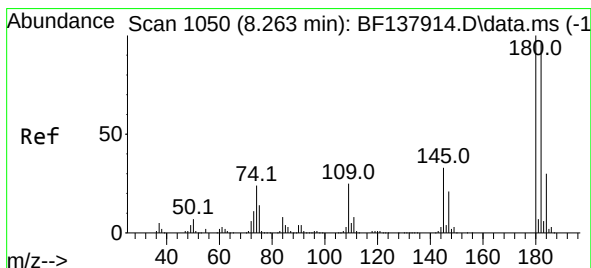
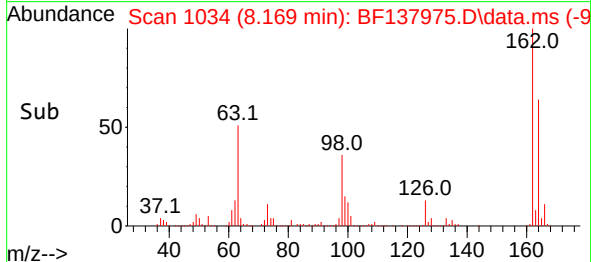
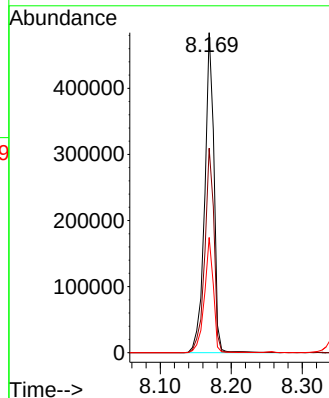
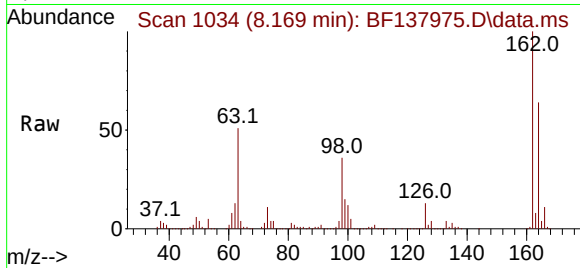
Tgt Ion:162 Resp: 439242

Ion Ratio Lower Upper

162 100

164 63.9 44.3 84.3

98 36.0 15.8 55.8



#30

1,2,4-Trichlorobenzene

Concen: 43.326 ng

RT: 8.257 min Scan# 1049

Delta R.T. -0.006 min

Lab File: BF137975.D

Acq: 21 May 2024 13:23

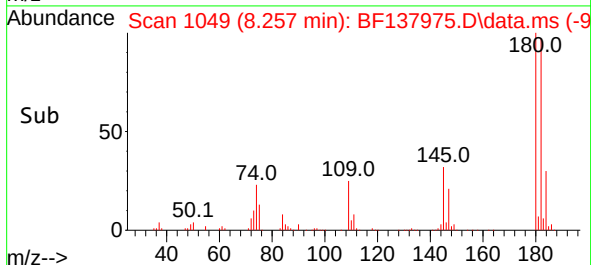
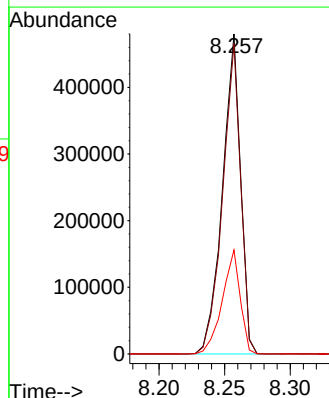
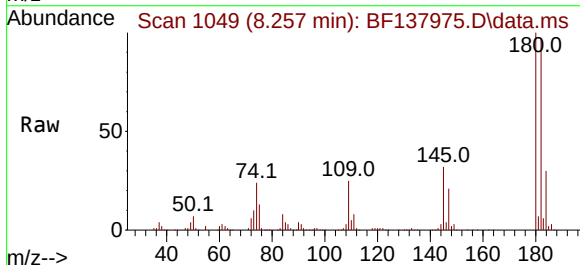
Tgt Ion:180 Resp: 460275

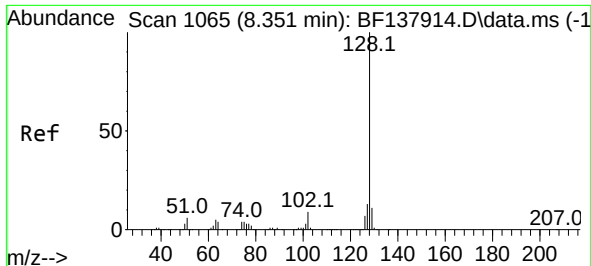
Ion Ratio Lower Upper

180 100

182 97.0 76.5 114.7

145 32.5 26.2 39.2

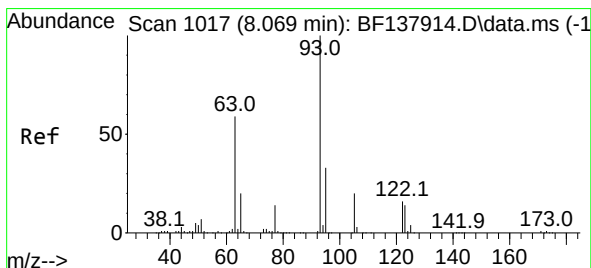
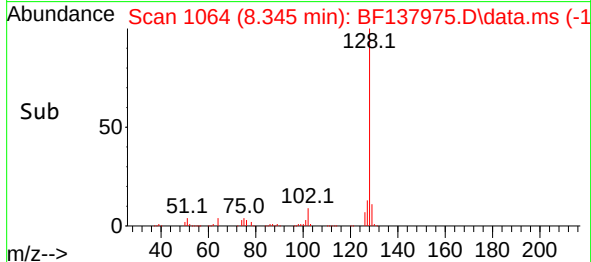
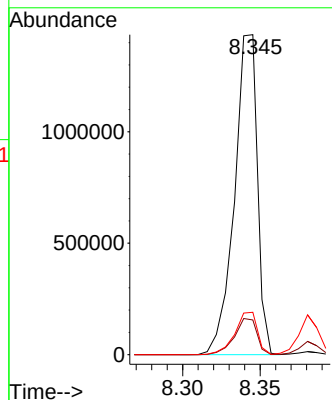
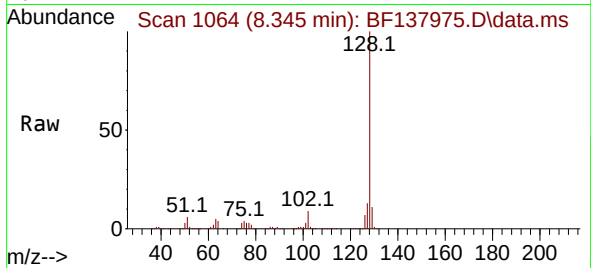




#31
Naphthalene
Concen: 43.341 ng
RT: 8.345 min Scan# 1064
Delta R.T. -0.006 min
Lab File: BF137975.D
Acq: 21 May 2024 13:23

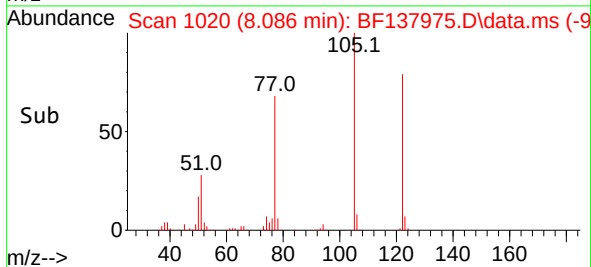
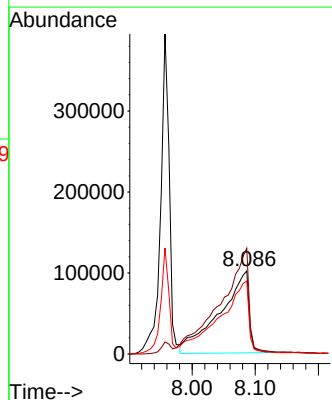
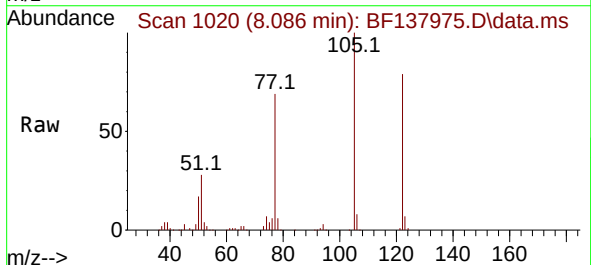
Instrument :
BNA_F
ClientSampleId :
PB160998BS

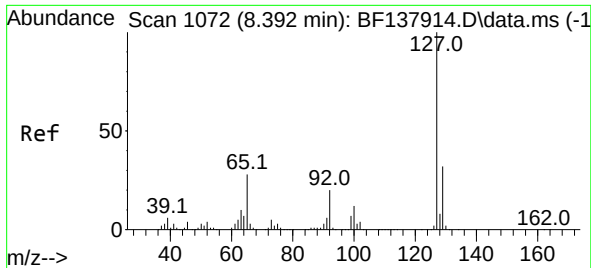
Tgt Ion:128 Resp: 1478597
Ion Ratio Lower Upper
128 100
129 10.8 8.7 13.1
127 13.3 10.6 16.0



#32
Benzoic acid
Concen: 51.116 ng
RT: 8.086 min Scan# 1020
Delta R.T. 0.017 min
Lab File: BF137975.D
Acq: 21 May 2024 13:23

Tgt Ion:122 Resp: 326945
Ion Ratio Lower Upper
122 100
105 127.3 103.8 143.8
77 87.9 68.4 108.4

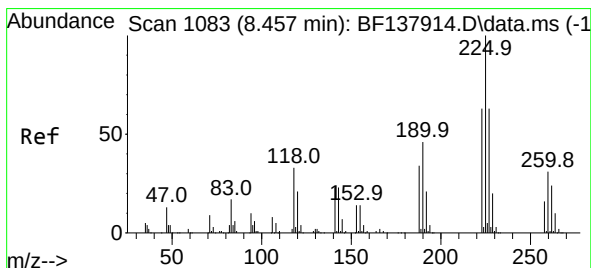
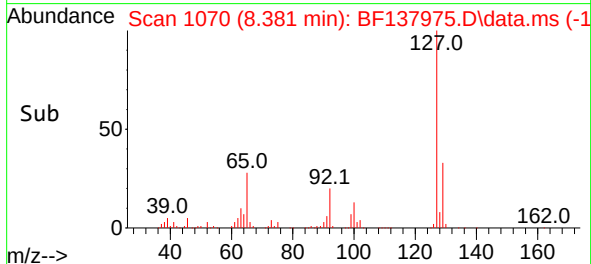
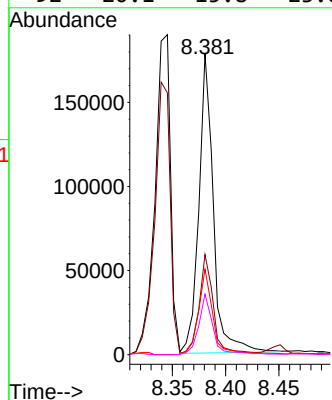
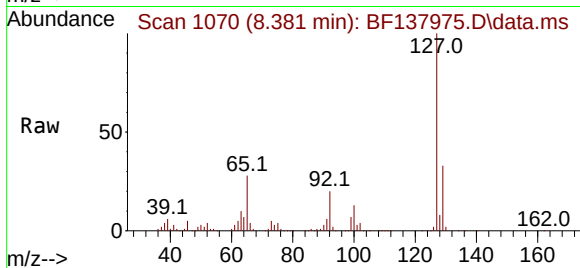




#33
4-Chloroaniline
Concen: 15.151 ng
RT: 8.381 min Scan# 1070
Delta R.T. -0.012 min
Lab File: BF137975.D
Acq: 21 May 2024 13:23

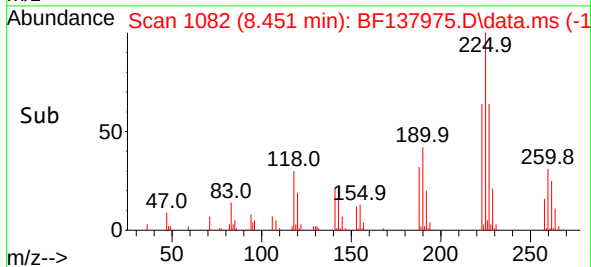
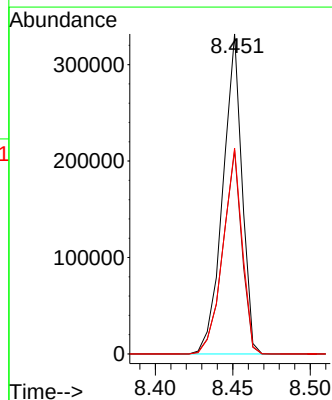
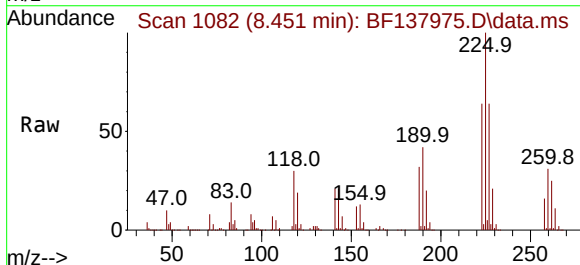
Instrument :
BNA_F
ClientSampleId :
PB160998BS

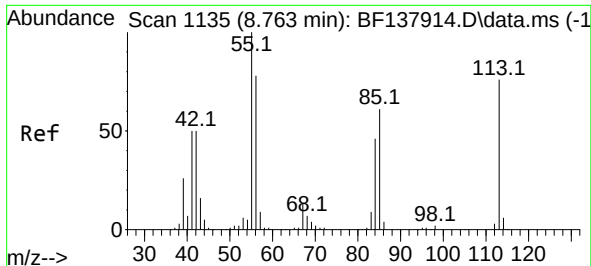
Tgt Ion:	127	Resp:	169451
Ion	Ratio	Lower	Upper
127	100		
129	33.3	25.4	38.2
65	28.4	22.0	33.0
92	20.1	15.8	23.8



#34
Hexachlorobutadiene
Concen: 42.250 ng
RT: 8.451 min Scan# 1082
Delta R.T. -0.006 min
Lab File: BF137975.D
Acq: 21 May 2024 13:23

Tgt Ion:	225	Resp:	284100
Ion	Ratio	Lower	Upper
225	100		
223	63.6	50.0	75.0
227	64.4	50.2	75.4





#35

Caprolactam

Concen: 27.625 ng

RT: 8.769 min Scan# 1135

Delta R.T. 0.006 min

Lab File: BF137975.D

Acq: 21 May 2024 13:23

Instrument :

BNA_F

ClientSampleId :

PB160998BS

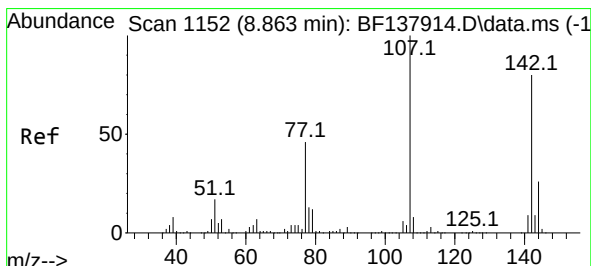
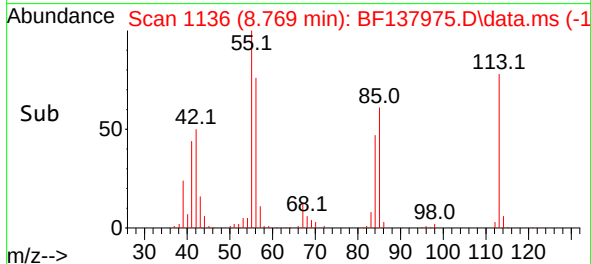
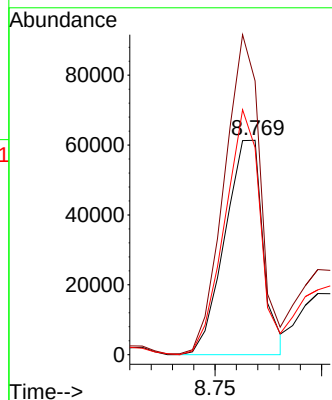
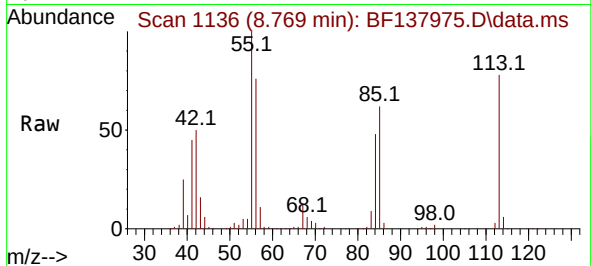
Tgt Ion:113 Resp: 76152

Ion Ratio Lower Upper

113 100

55 127.7 112.3 152.3

56 96.5 82.7 122.7



#36

4-Chloro-3-methylphenol

Concen: 46.769 ng

RT: 8.863 min Scan# 1152

Delta R.T. 0.000 min

Lab File: BF137975.D

Acq: 21 May 2024 13:23

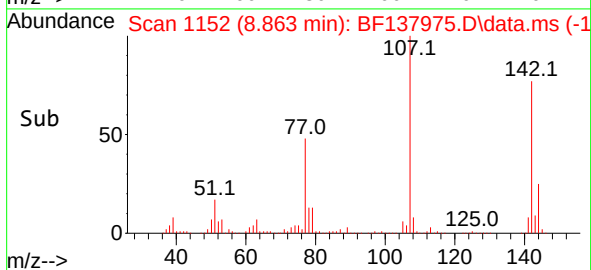
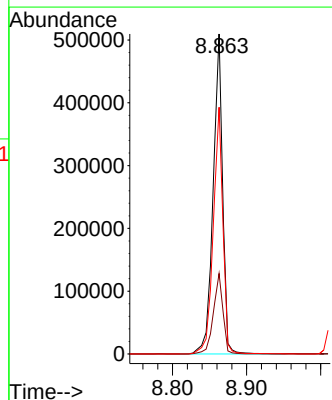
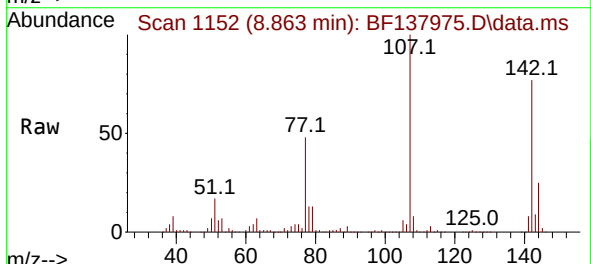
Tgt Ion:107 Resp: 452684

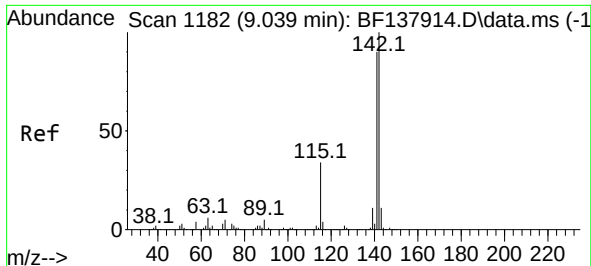
Ion Ratio Lower Upper

107 100

144 25.1 20.7 31.1

142 77.1 64.0 96.0





#37

2-Methylnaphthalene

Concen: 44.705 ng

RT: 9.033 min Scan# 1182

Delta R.T. -0.006 min

Lab File: BF137975.D

Acq: 21 May 2024 13:23

Instrument :

BNA_F

ClientSampleId :

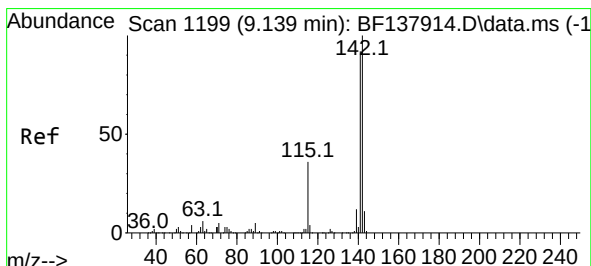
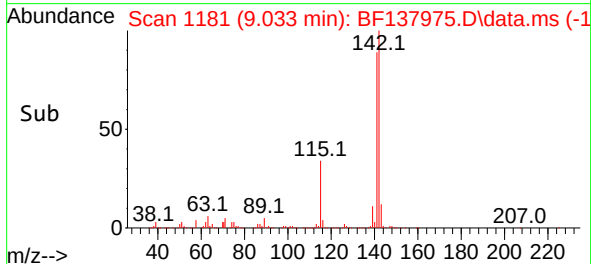
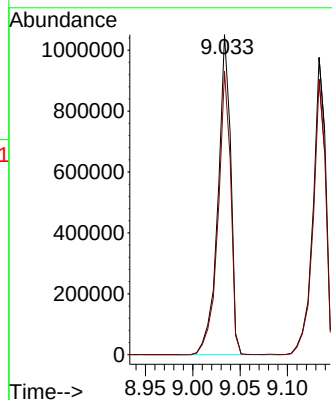
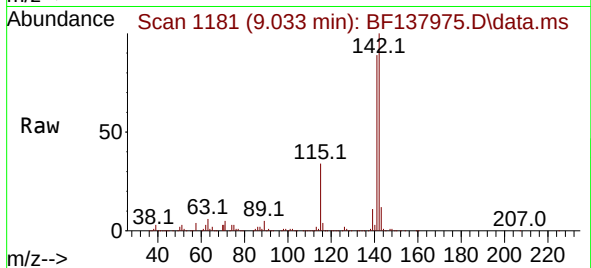
PB160998BS

Tgt Ion:142 Resp: 980350

Ion Ratio Lower Upper

142 100

141 88.5 72.0 108.0



#38

1-Methylnaphthalene

Concen: 42.067 ng

RT: 9.133 min Scan# 1198

Delta R.T. -0.006 min

Lab File: BF137975.D

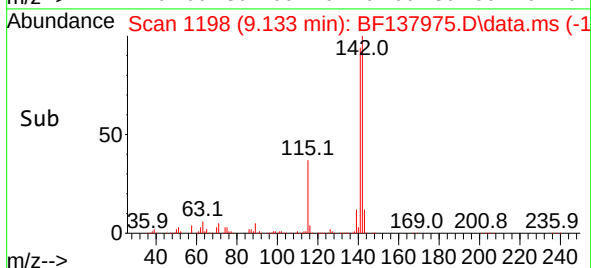
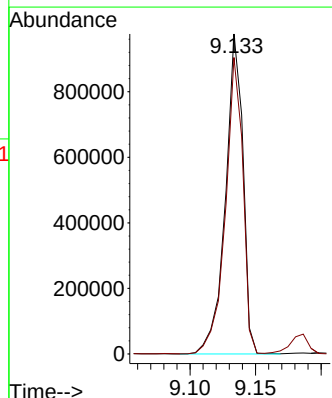
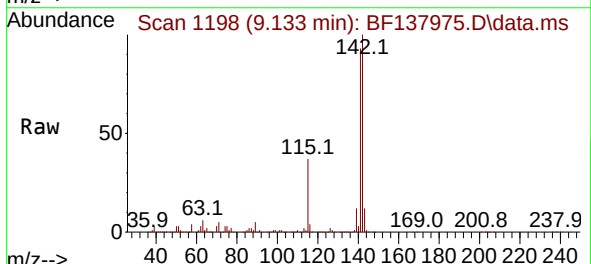
Acq: 21 May 2024 13:23

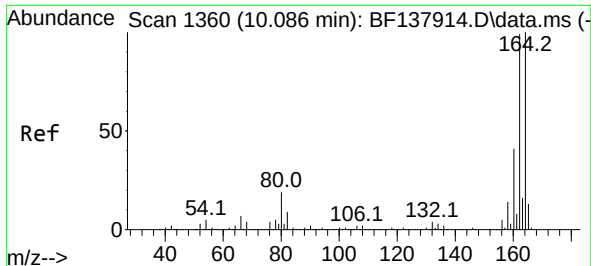
Tgt Ion:142 Resp: 906920

Ion Ratio Lower Upper

142 100

141 92.7 73.7 110.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.086 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF137975.D

Acq: 21 May 2024 13:23

Instrument :

BNA_F

ClientSampleId :

PB160998BS

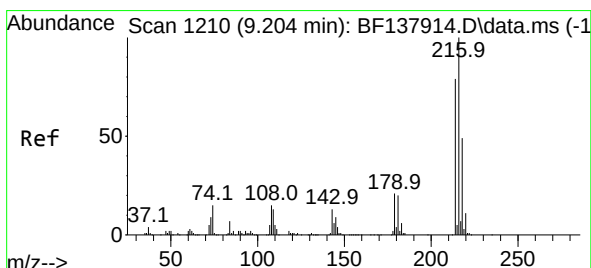
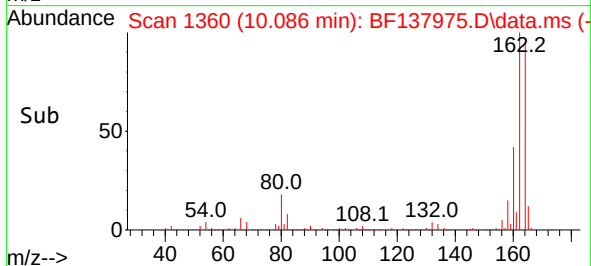
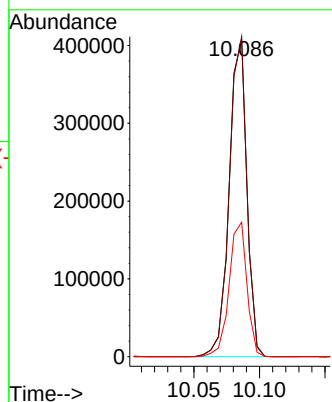
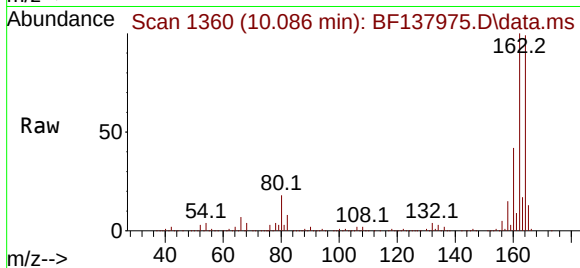
Tgt Ion:164 Resp: 382398

Ion Ratio Lower Upper

164 100

162 100.9 79.4 119.2

160 42.4 33.1 49.7



#40

1,2,4,5-Tetrachlorobenzene

Concen: 45.182 ng

RT: 9.198 min Scan# 1209

Delta R.T. -0.006 min

Lab File: BF137975.D

Acq: 21 May 2024 13:23

Tgt Ion:216 Resp: 469714

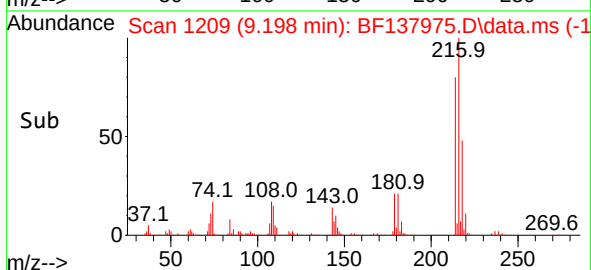
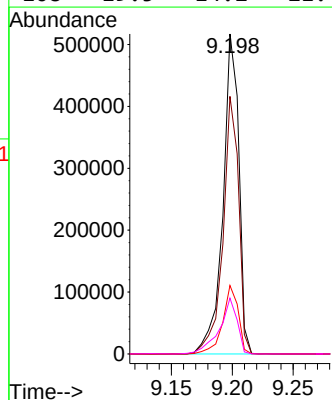
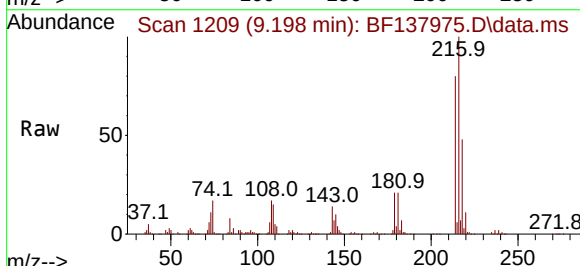
Ion Ratio Lower Upper

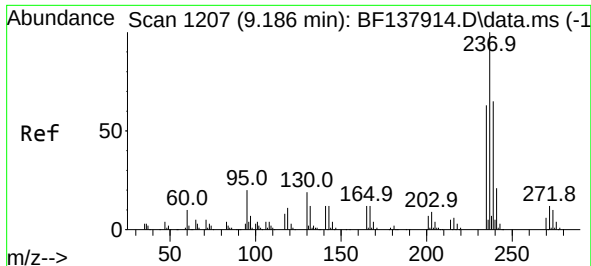
216 100

214 79.1 63.4 95.2

179 21.0 17.0 25.4

108 19.5 14.2 21.4

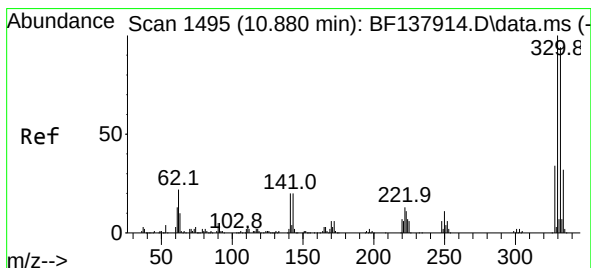
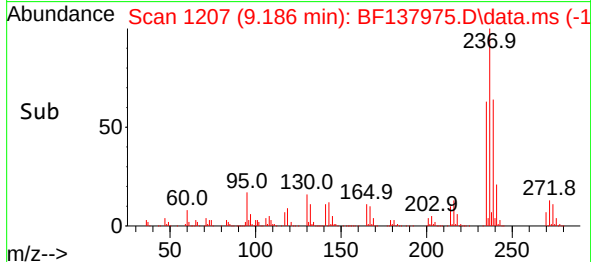
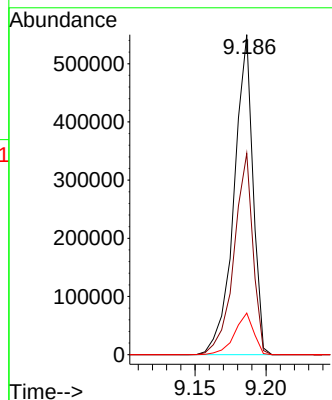
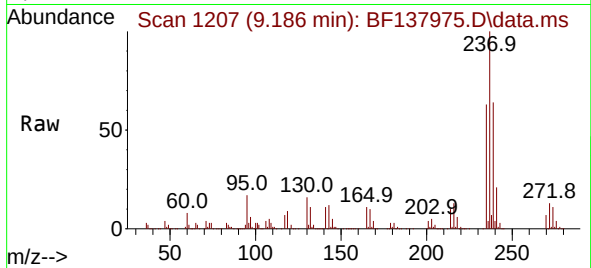




#41
Hexachlorocyclopentadiene
Concen: 129.272 ng
RT: 9.186 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF137975.D
Acq: 21 May 2024 13:23

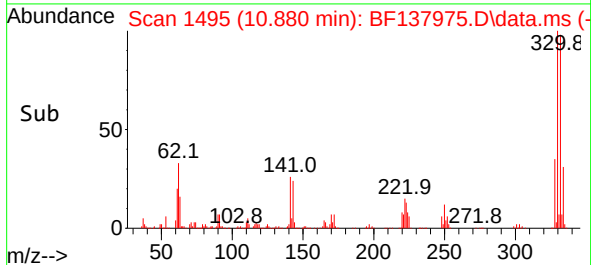
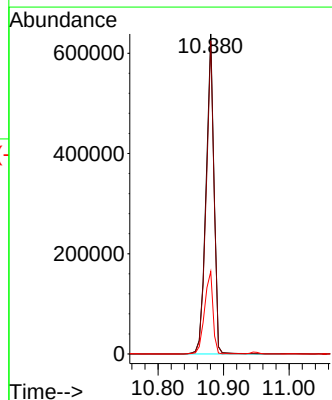
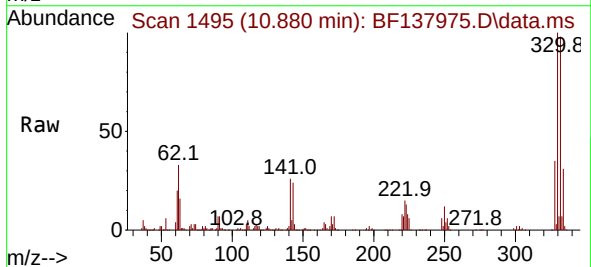
Instrument :
BNA_F
ClientSampleId :
PB160998BS

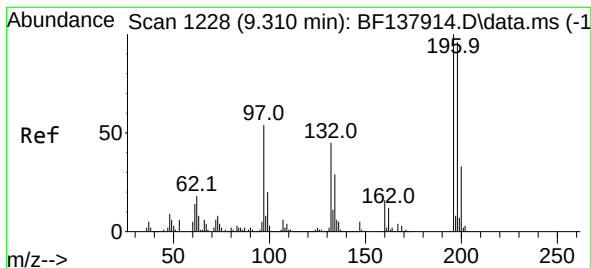
Tgt Ion:237 Resp: 510651
Ion Ratio Lower Upper
237 100
235 62.9 42.8 82.8
272 13.0 0.0 32.0



#42
2,4,6-Tribromophenol
Concen: 139.586 ng
RT: 10.880 min Scan# 1495
Delta R.T. 0.000 min
Lab File: BF137975.D
Acq: 21 May 2024 13:23

Tgt Ion:330 Resp: 538202
Ion Ratio Lower Upper
330 100
332 96.7 75.8 113.8
141 27.4 23.8 35.6





#43

2,4,6-Trichlorophenol

Concen: 48.340 ng

RT: 9.310 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF137975.D

Acq: 21 May 2024 13:23

Instrument :

BNA_F

ClientSampleId :

PB160998BS

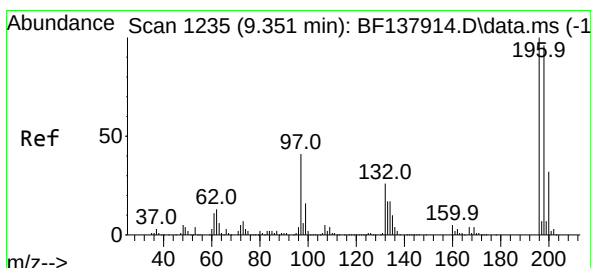
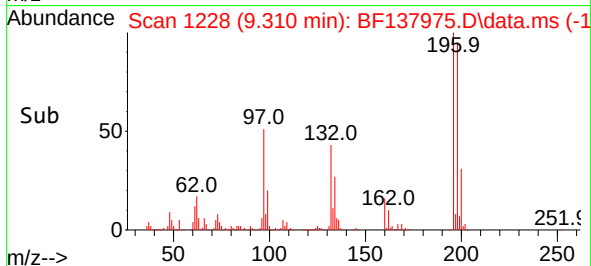
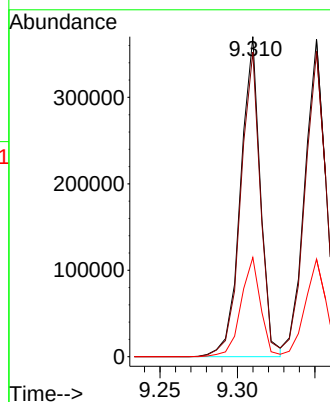
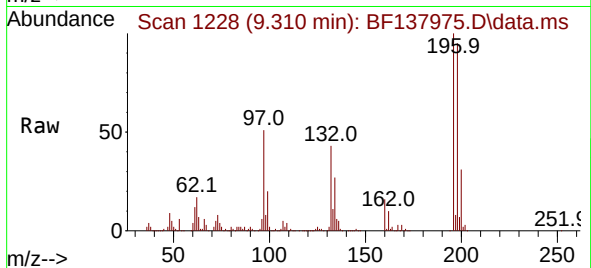
Tgt Ion:196 Resp: 329503

Ion Ratio Lower Upper

196 100

198 95.2 77.0 115.4

200 31.0 26.2 39.2



#44

2,4,5-Trichlorophenol

Concen: 45.779 ng

RT: 9.351 min Scan# 1235

Delta R.T. 0.000 min

Lab File: BF137975.D

Acq: 21 May 2024 13:23

Tgt Ion:196 Resp: 341435

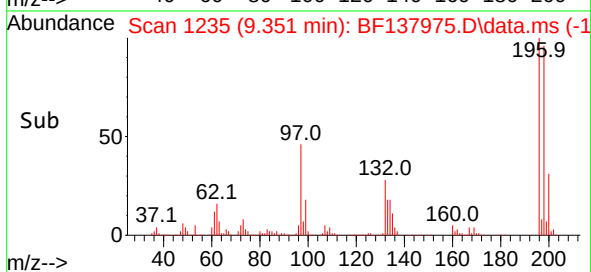
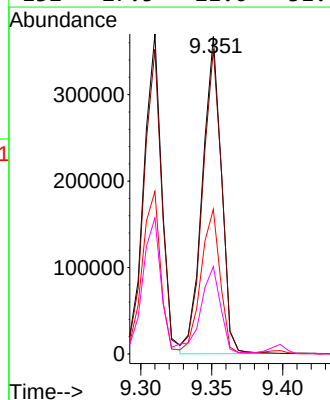
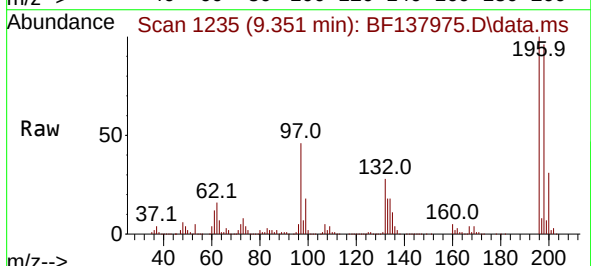
Ion Ratio Lower Upper

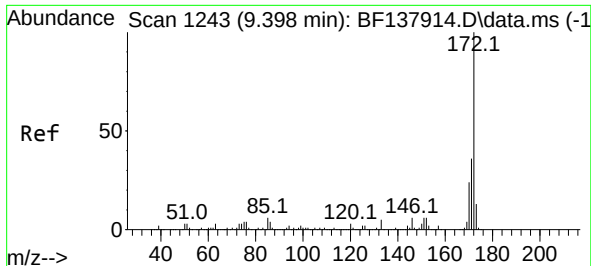
196 100

198 96.1 77.4 116.0

97 45.6 32.9 49.3

132 27.5 21.0 31.6

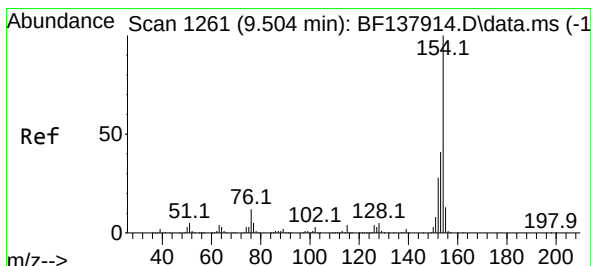
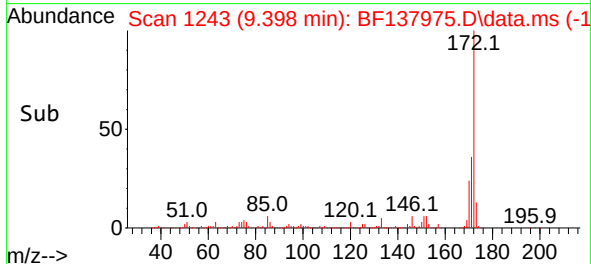
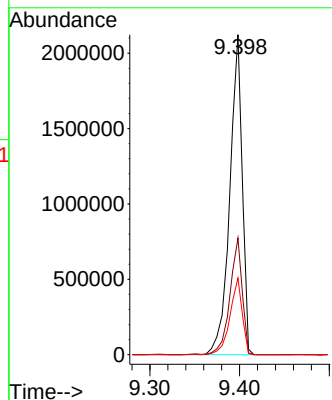
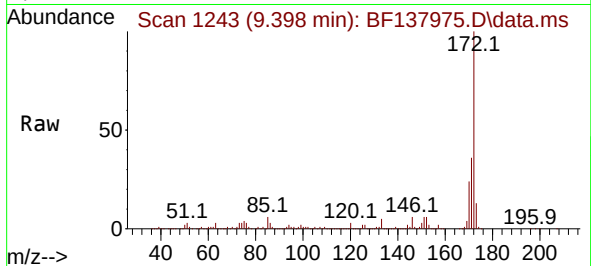




#45
2-Fluorobiphenyl
Concen: 82.345 ng
RT: 9.398 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF137975.D
Acq: 21 May 2024 13:23

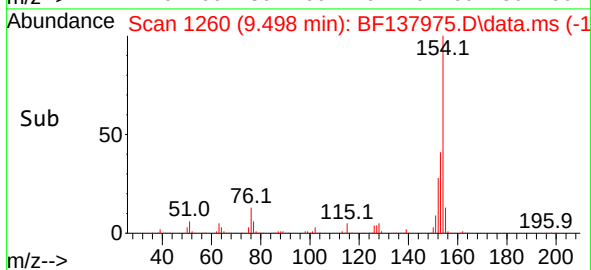
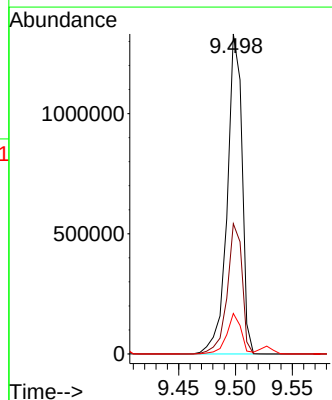
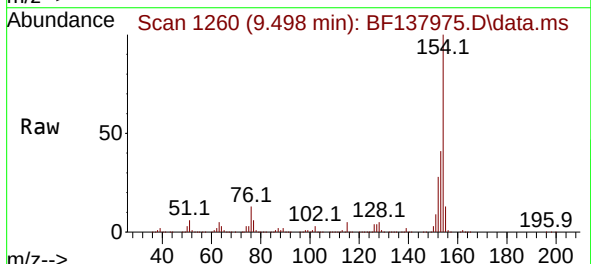
Instrument :
BNA_F
ClientSampleId :
PB160998BS

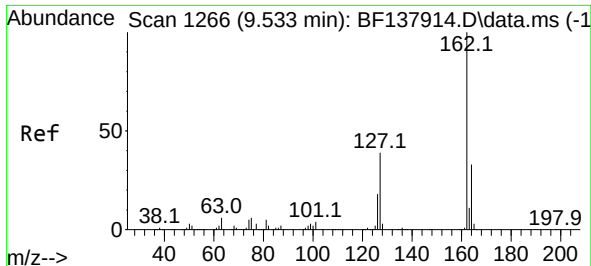
Tgt Ion:172 Resp: 2044201
Ion Ratio Lower Upper
172 100
171 36.5 28.9 43.3
170 24.0 18.9 28.3



#46
1,1'-Biphenyl
Concen: 45.107 ng
RT: 9.498 min Scan# 1260
Delta R.T. -0.006 min
Lab File: BF137975.D
Acq: 21 May 2024 13:23

Tgt Ion:154 Resp: 1209799
Ion Ratio Lower Upper
154 100
153 40.7 21.3 61.3
76 12.6 0.0 31.9

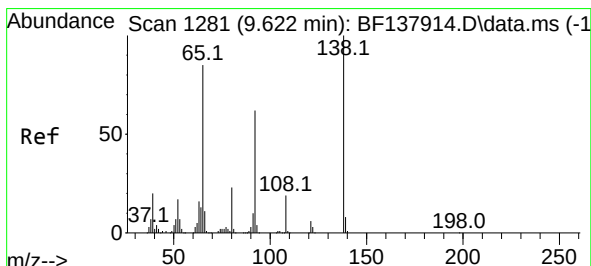
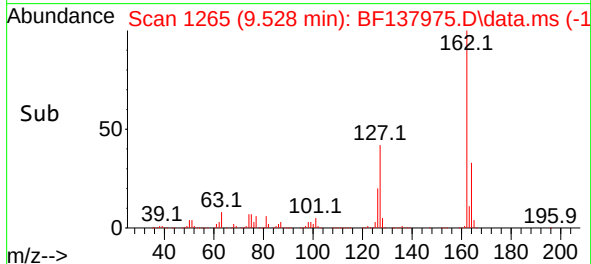
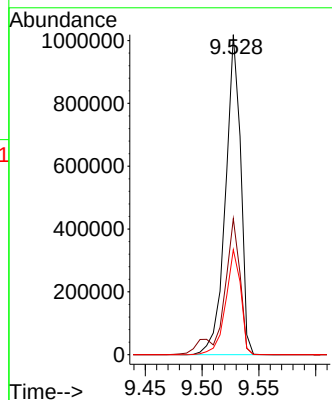
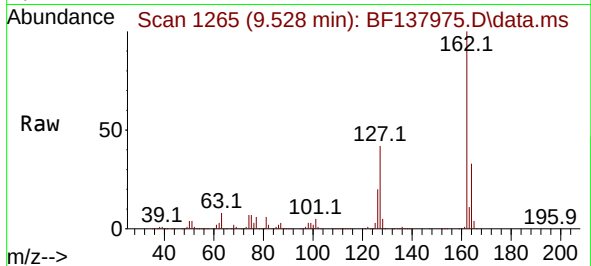




#47
2-Chloronaphthalene
Concen: 44.023 ng
RT: 9.528 min Scan# 1265
Delta R.T. -0.006 min
Lab File: BF137975.D
Acq: 21 May 2024 13:23

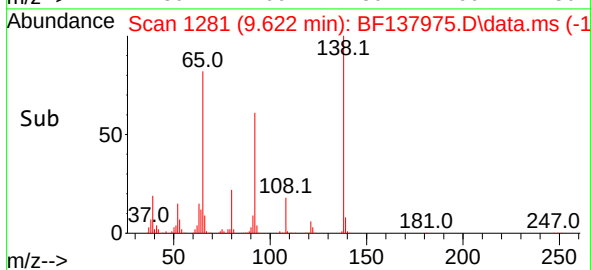
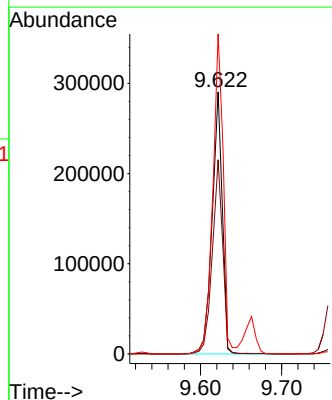
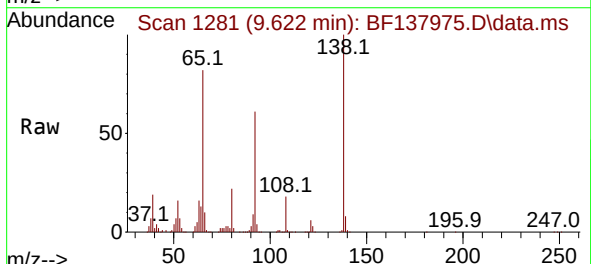
Instrument :
BNA_F
ClientSampleId :
PB160998BS

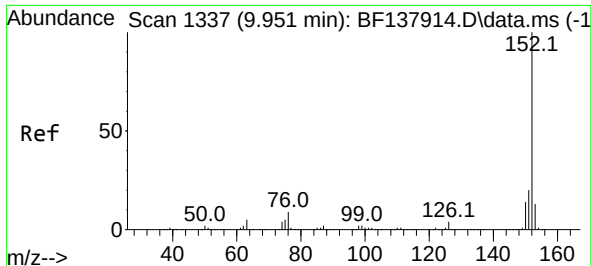
Tgt Ion:162 Resp: 942546
Ion Ratio Lower Upper
162 100
127 42.5 32.0 48.0
164 32.8 26.2 39.4



#48
2-Nitroaniline
Concen: 46.294 ng
RT: 9.622 min Scan# 1281
Delta R.T. 0.000 min
Lab File: BF137975.D
Acq: 21 May 2024 13:23

Tgt Ion: 65 Resp: 253811
Ion Ratio Lower Upper
65 100
92 74.1 58.6 88.0
138 122.1 94.1 141.1





#49

Acenaphthylene

Concen: 48.206 ng

RT: 9.945 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF137975.D

Acq: 21 May 2024 13:23

Instrument :

BNA_F

ClientSampleId :

PB160998BS

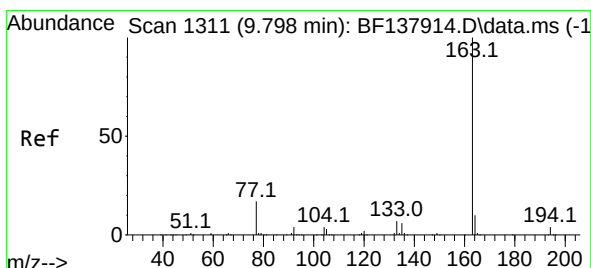
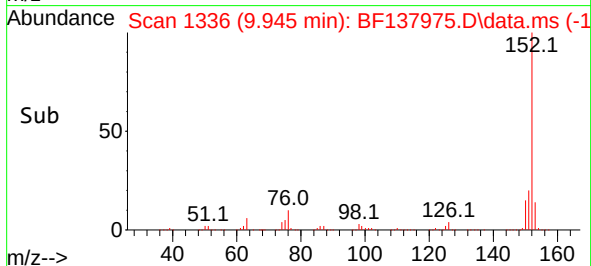
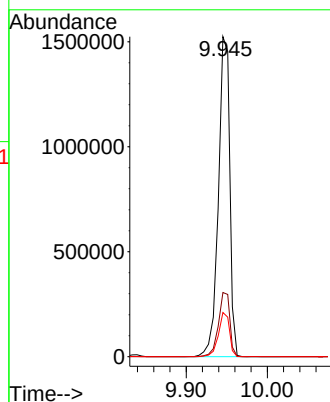
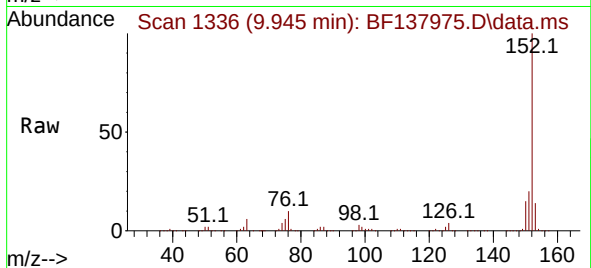
Tgt Ion:152 Resp: 1484031

Ion Ratio Lower Upper

152 100

151 20.1 15.8 23.8

153 13.8 10.2 15.4



#50

Dimethylphthalate

Concen: 47.404 ng

RT: 9.798 min Scan# 1311

Delta R.T. 0.000 min

Lab File: BF137975.D

Acq: 21 May 2024 13:23

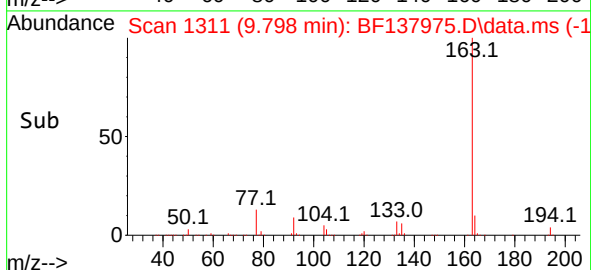
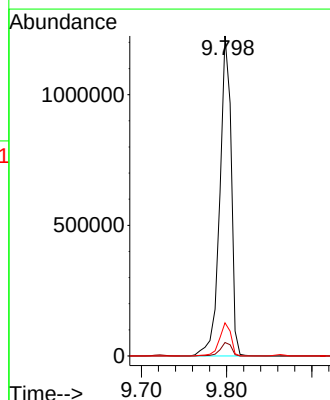
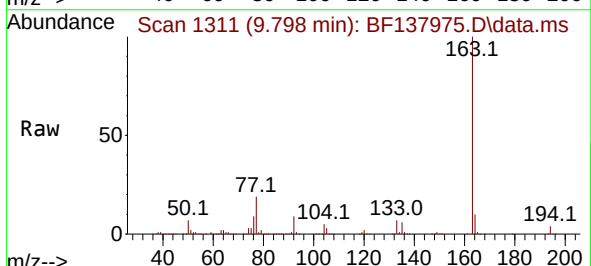
Tgt Ion:163 Resp: 1136719

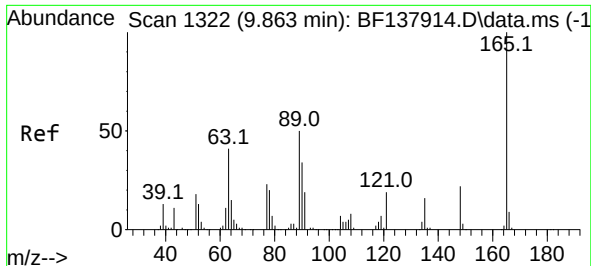
Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.0

164 10.4 8.0 12.0





#51

2,6-Dinitrotoluene

Concen: 45.543 ng

RT: 9.863 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF137975.D

Acq: 21 May 2024 13:23

Instrument :

BNA_F

ClientSampleId :

PB160998BS

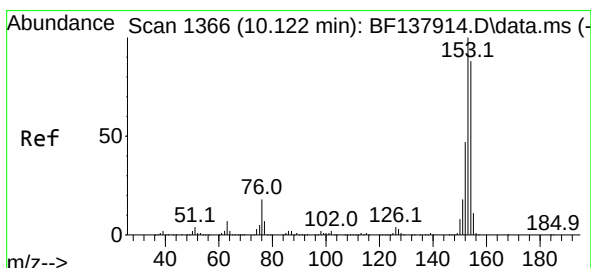
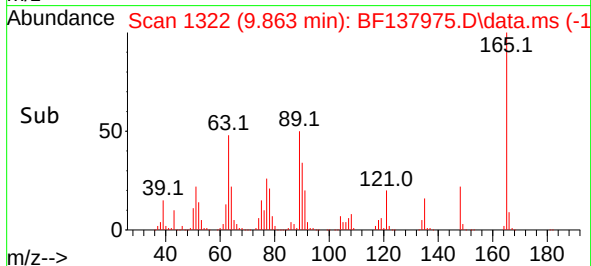
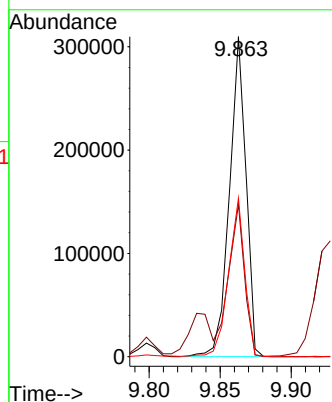
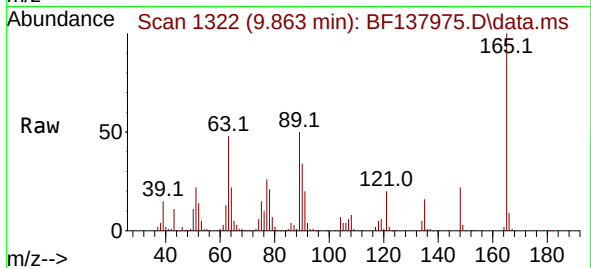
Tgt Ion:165 Resp: 250649

Ion Ratio Lower Upper

165 100

63 47.6 38.9 58.3

89 49.5 40.4 60.6



#52

Acenaphthene

Concen: 49.195 ng

RT: 10.122 min Scan# 1366

Delta R.T. 0.000 min

Lab File: BF137975.D

Acq: 21 May 2024 13:23

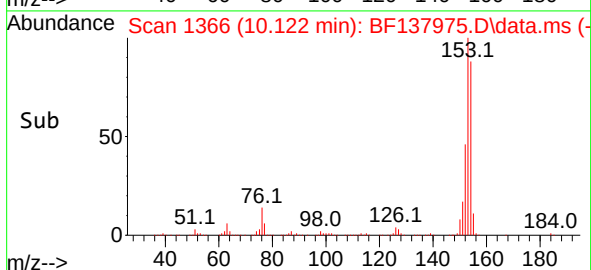
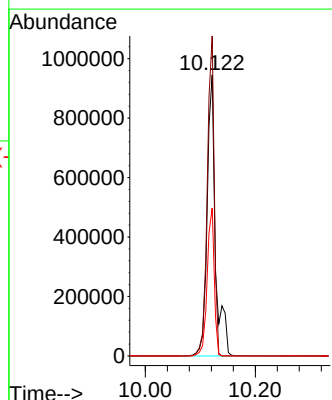
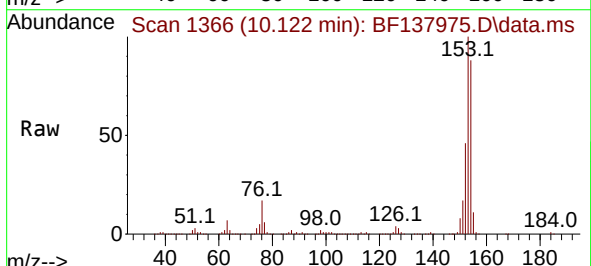
Tgt Ion:154 Resp: 1000982

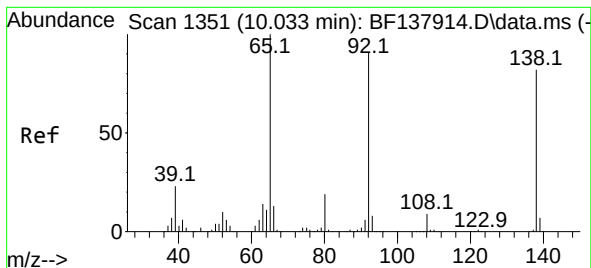
Ion Ratio Lower Upper

154 100

153 113.8 90.4 135.6

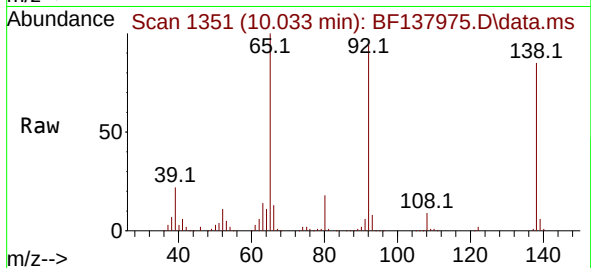
152 52.7 42.3 63.5



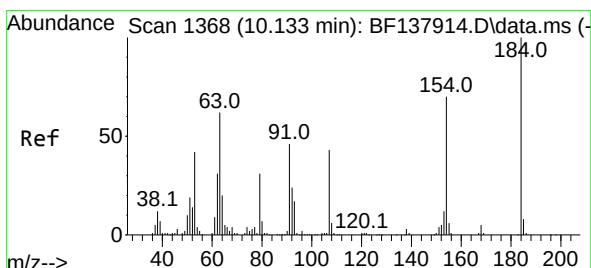
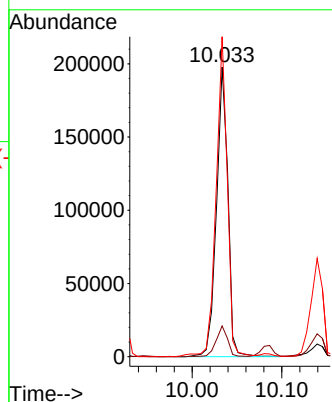
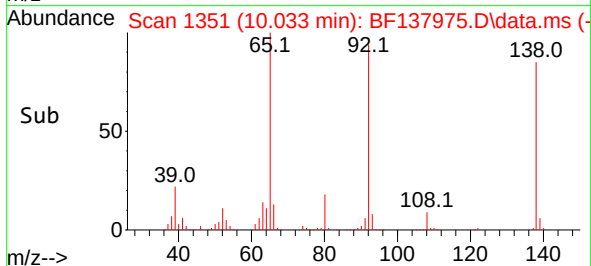


#53
3-Nitroaniline
Concen: 32.458 ng
RT: 10.033 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF137975.D
Acq: 21 May 2024 13:23

Instrument :
BNA_F
ClientSampleId :
PB160998BS

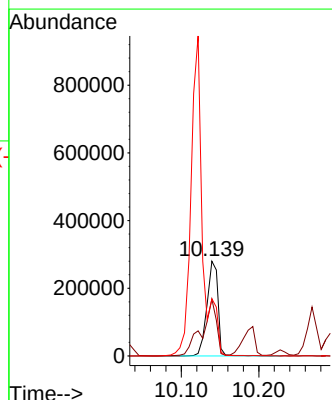
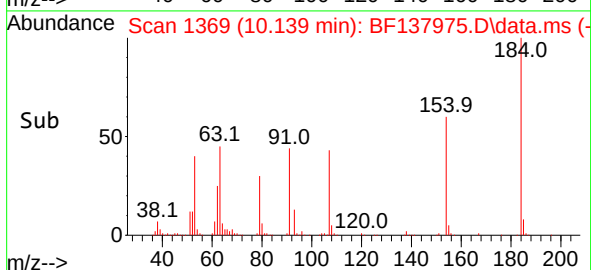
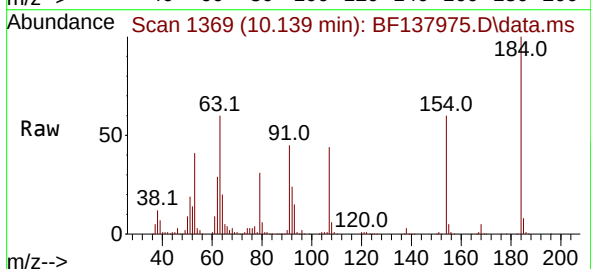


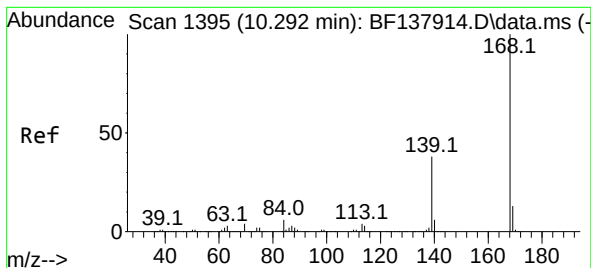
Tgt Ion:138 Resp: 174636
Ion Ratio Lower Upper
138 100
108 10.6 8.8 13.2
92 110.5 88.6 133.0



#54
2,4-Dinitrophenol
Concen: 92.324 ng
RT: 10.139 min Scan# 1369
Delta R.T. 0.006 min
Lab File: BF137975.D
Acq: 21 May 2024 13:23

Tgt Ion:184 Resp: 278000
Ion Ratio Lower Upper
184 100
63 60.0 50.4 75.6
154 60.2 63.7 95.5#





#55

Dibenzenofuran

Concen: 45.246 ng

RT: 10.292 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF137975.D

Acq: 21 May 2024 13:23

Instrument :

BNA_F

ClientSampleId :

PB160998BS

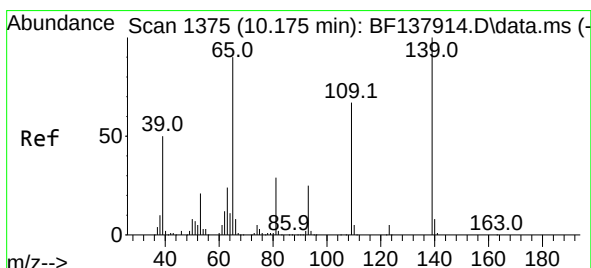
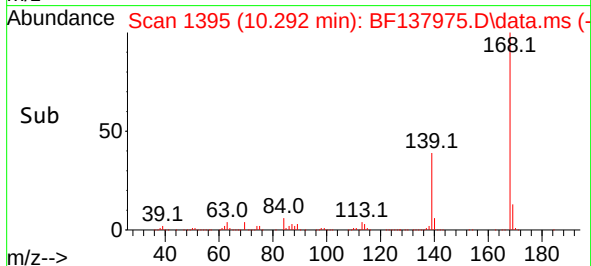
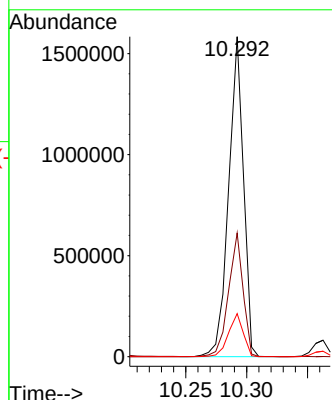
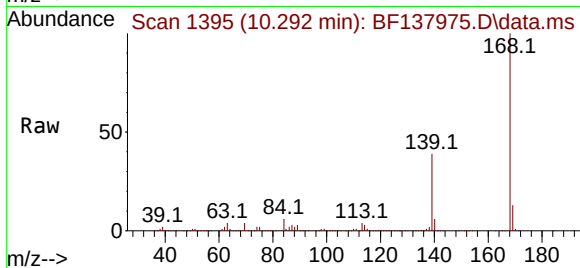
Tgt Ion:168 Resp: 1339840

Ion Ratio Lower Upper

168 100

139 38.7 30.4 45.6

169 13.5 10.5 15.7



#56

4-Nitrophenol

Concen: 100.330 ng

RT: 10.192 min Scan# 1378

Delta R.T. 0.018 min

Lab File: BF137975.D

Acq: 21 May 2024 13:23

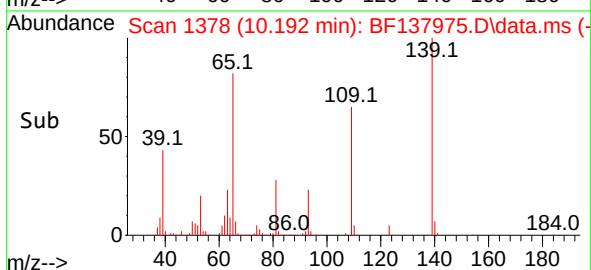
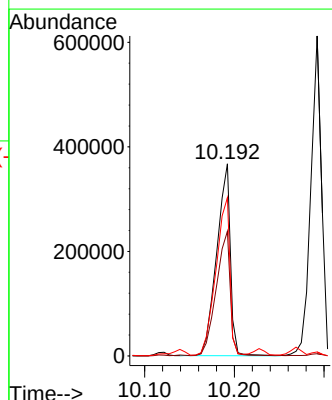
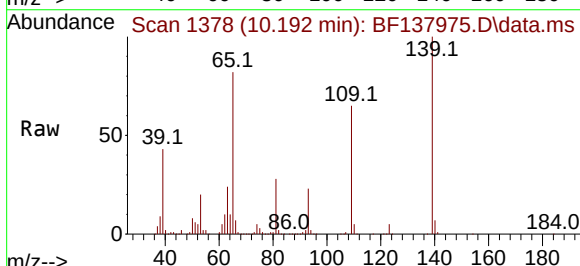
Tgt Ion:139 Resp: 387708

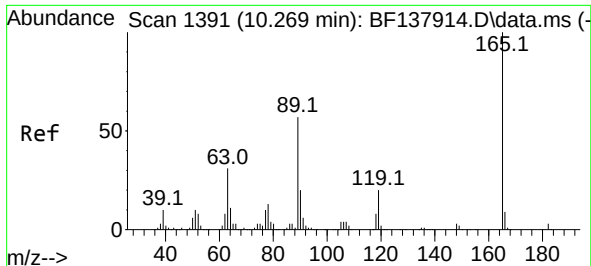
Ion Ratio Lower Upper

139 100

109 64.9 46.5 86.5

65 82.3 70.4 110.4

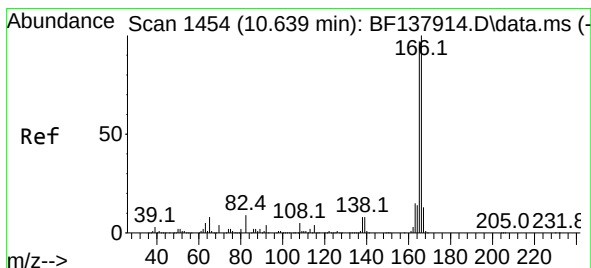
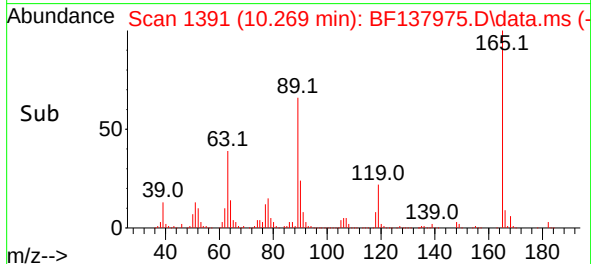
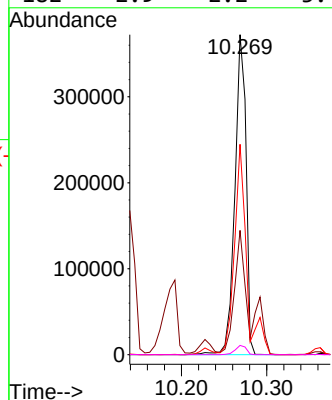
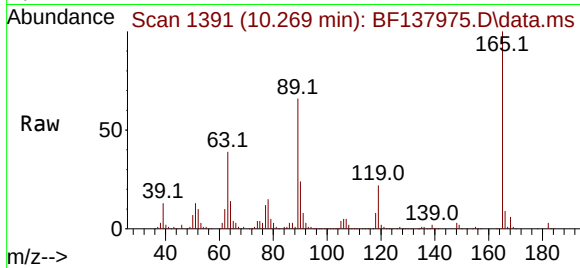




#57
2,4-Dinitrotoluene
Concen: 47.814 ng
RT: 10.269 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF137975.D
Acq: 21 May 2024 13:23

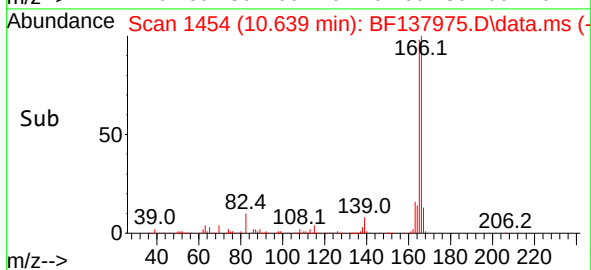
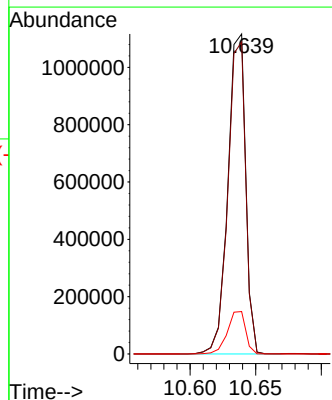
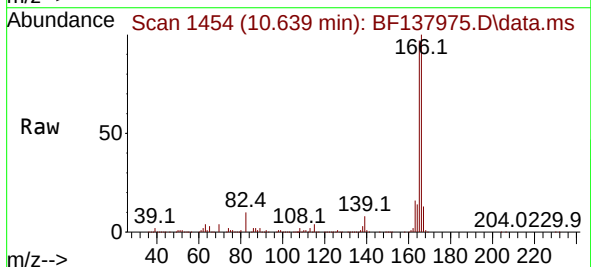
Instrument :
BNA_F
ClientSampleId :
PB160998BS

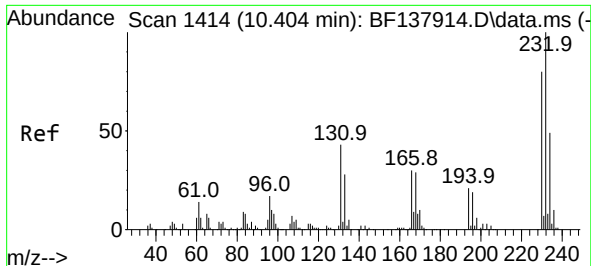
Tgt Ion:165 Resp: 340190
Ion Ratio Lower Upper
165 100
63 38.9 25.3 37.9#
89 65.8 45.9 68.9
182 2.9 2.2 3.4



#58
Fluorene
Concen: 45.016 ng
RT: 10.639 min Scan# 1454
Delta R.T. 0.000 min
Lab File: BF137975.D
Acq: 21 May 2024 13:23

Tgt Ion:166 Resp: 1054370
Ion Ratio Lower Upper
166 100
165 97.5 77.8 116.8
167 13.3 10.4 15.6





#59

2,3,4,6-Tetrachlorophenol

Concen: 49.963 ng

RT: 10.404 min Scan# 1414

Delta R.T. 0.000 min

Lab File: BF137975.D

Acq: 21 May 2024 13:23

Instrument :

BNA_F

ClientSampleId :

PB160998BS

Tgt Ion:232 Resp: 292740

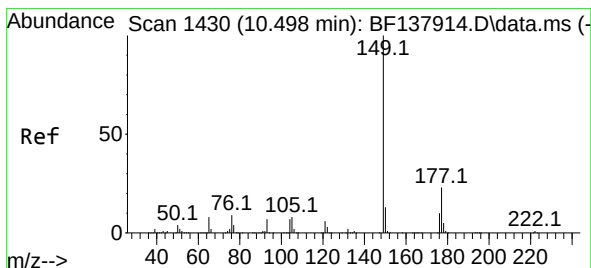
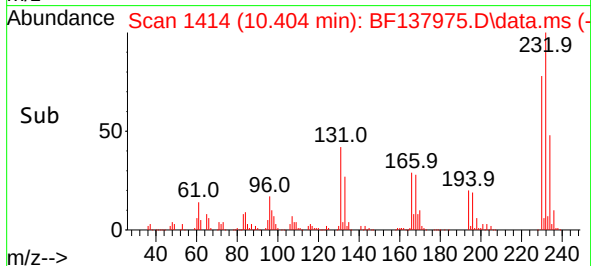
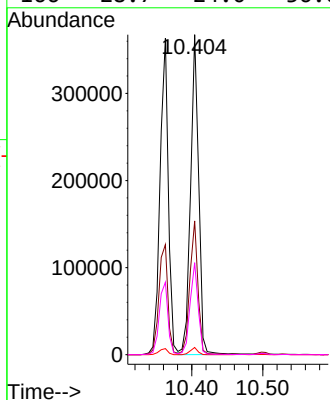
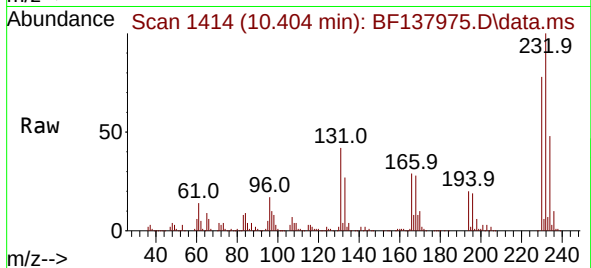
Ion Ratio Lower Upper

232 100

131 41.5 34.4 51.6

130 2.1 1.7 2.5

166 28.7 24.0 36.0



#60

Diethylphthalate

Concen: 47.041 ng

RT: 10.498 min Scan# 1430

Delta R.T. 0.000 min

Lab File: BF137975.D

Acq: 21 May 2024 13:23

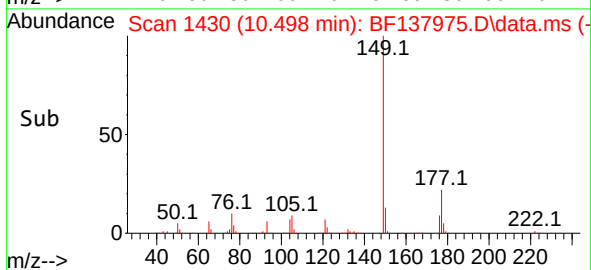
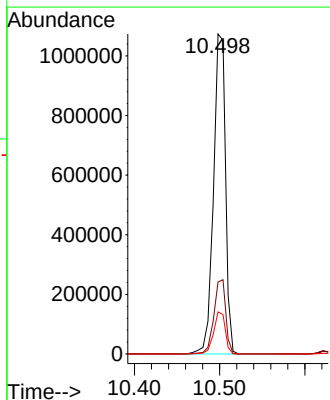
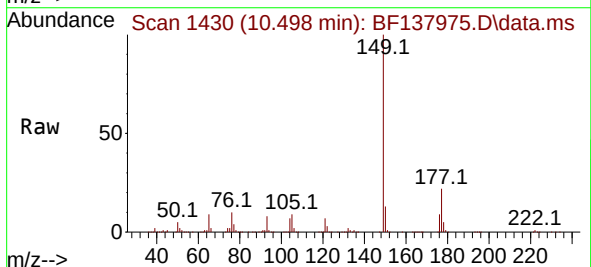
Tgt Ion:149 Resp: 1053505

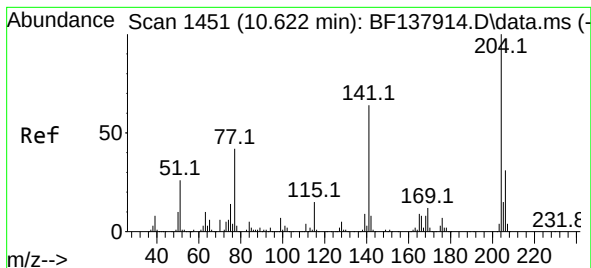
Ion Ratio Lower Upper

149 100

177 22.5 18.4 27.6

150 13.1 10.1 15.1

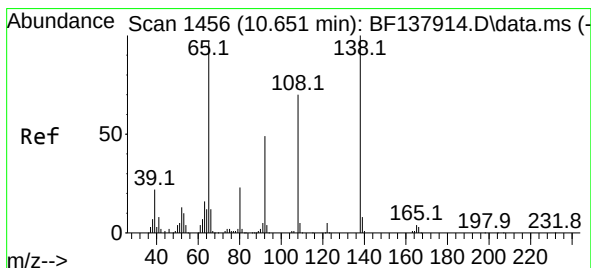
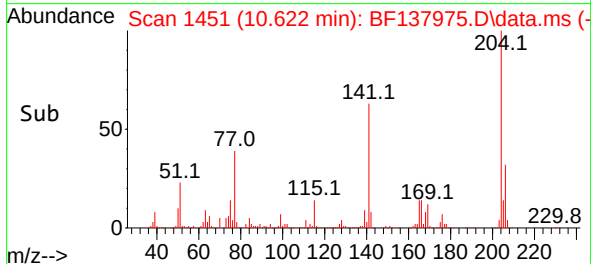
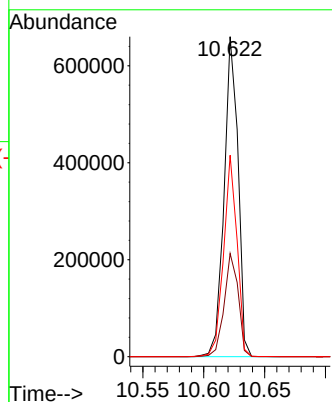
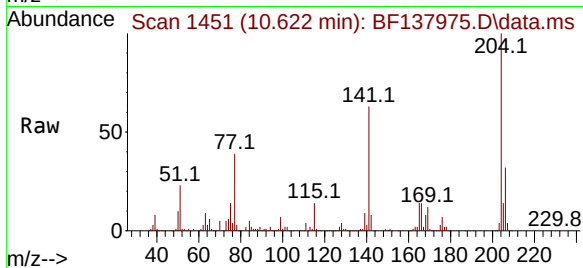




#61
4-Chlorophenyl-phenylether
Concen: 45.595 ng
RT: 10.622 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BF137975.D
Acq: 21 May 2024 13:23

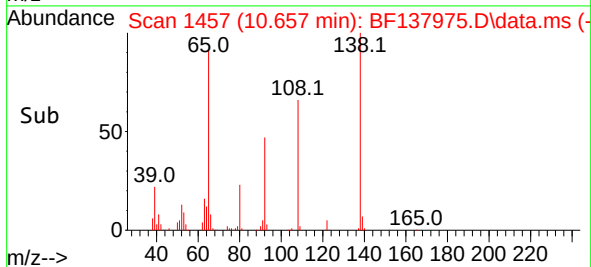
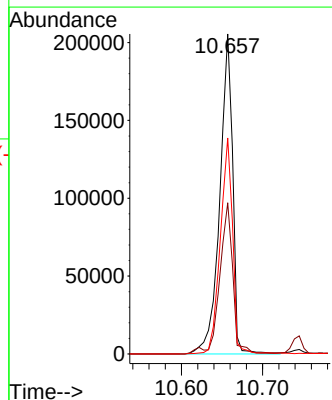
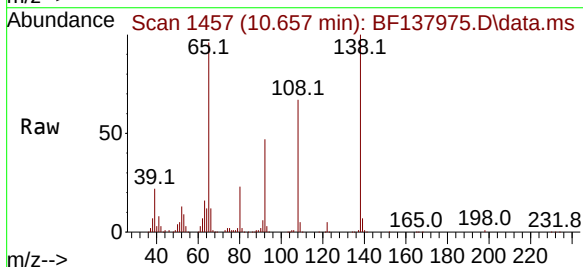
Instrument :
BNA_F
ClientSampleId :
PB160998BS

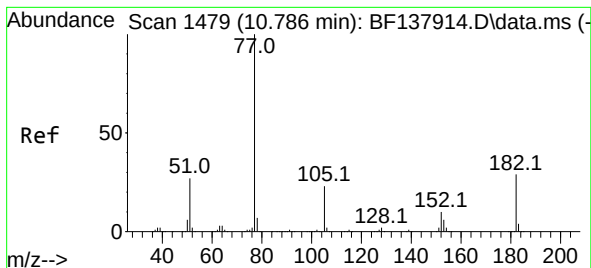
Tgt Ion:204 Resp: 526651
Ion Ratio Lower Upper
204 100
206 32.3 25.1 37.7
141 63.0 51.0 76.6



#62
4-Nitroaniline
Concen: 44.666 ng
RT: 10.657 min Scan# 1457
Delta R.T. 0.006 min
Lab File: BF137975.D
Acq: 21 May 2024 13:23

Tgt Ion:138 Resp: 227934
Ion Ratio Lower Upper
138 100
92 47.2 29.0 69.0
108 67.5 49.7 89.7





#63

Azobenzene

Concen: 47.223 ng

RT: 10.786 min Scan# 1479

Delta R.T. 0.000 min

Lab File: BF137975.D

Acq: 21 May 2024 13:23

Instrument :

BNA_F

ClientSampleId :

PB160998BS

Tgt Ion: 77 Resp: 961955

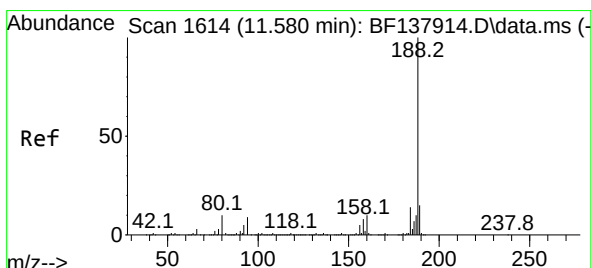
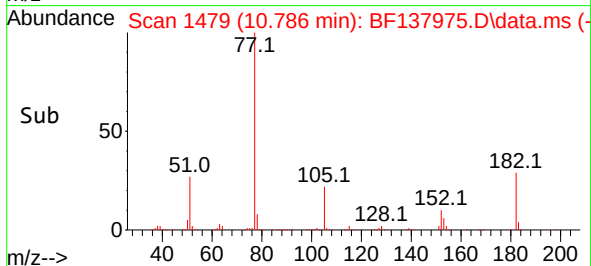
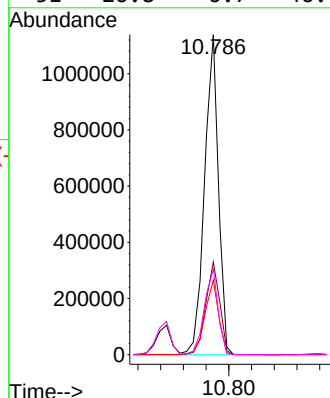
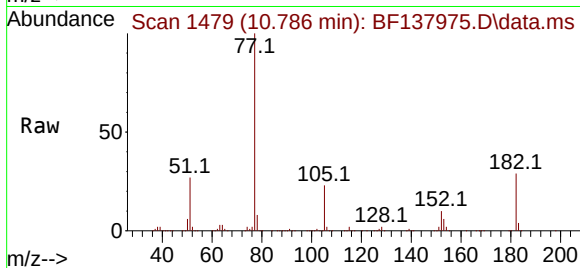
Ion Ratio Lower Upper

77 100

182 28.9 9.2 49.2

105 23.3 3.1 43.1

51 26.8 6.7 46.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.580 min Scan# 1614

Delta R.T. 0.000 min

Lab File: BF137975.D

Acq: 21 May 2024 13:23

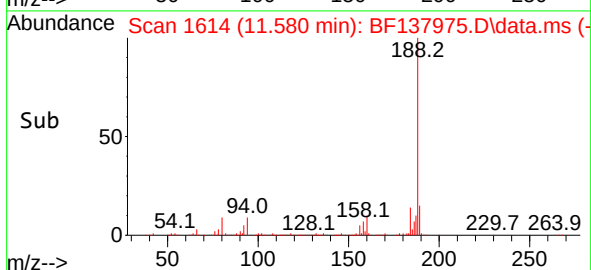
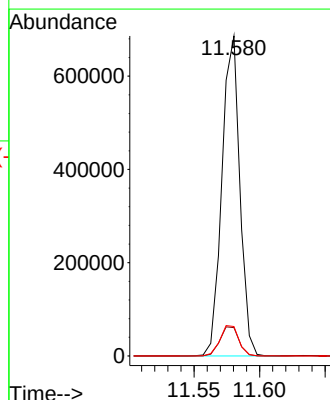
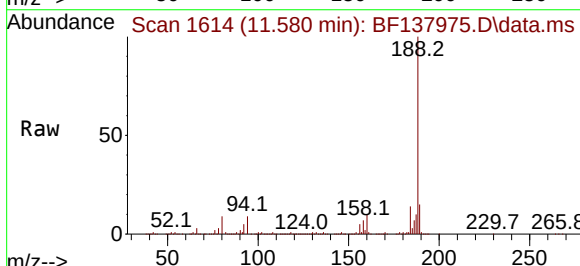
Tgt Ion: 188 Resp: 650037

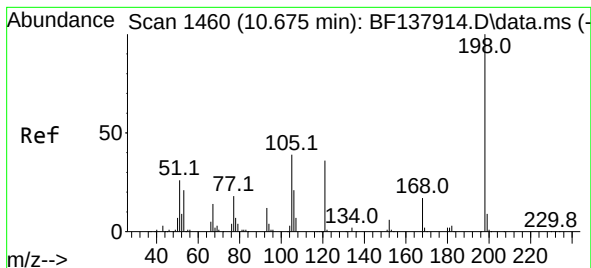
Ion Ratio Lower Upper

188 100

94 8.9 7.0 10.4

80 9.2 7.7 11.5

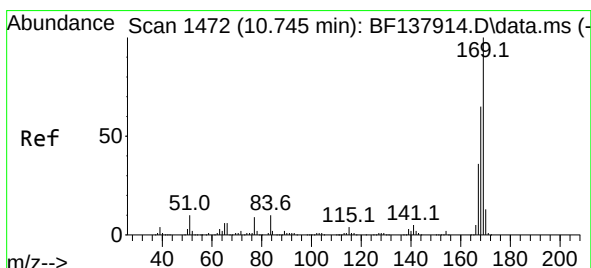
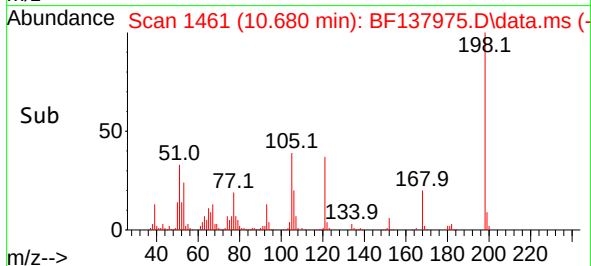
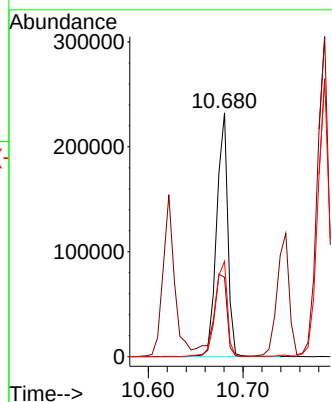
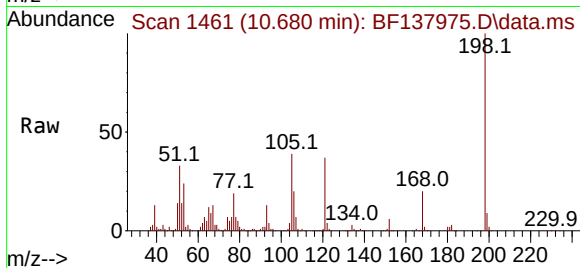




#65
4,6-Dinitro-2-methylphenol
Concen: 50.409 ng
RT: 10.680 min Scan# 1461
Delta R.T. 0.005 min
Lab File: BF137975.D
Acq: 21 May 2024 13:23

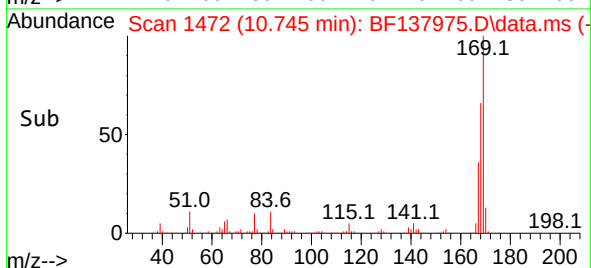
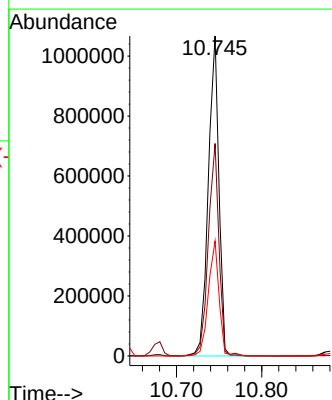
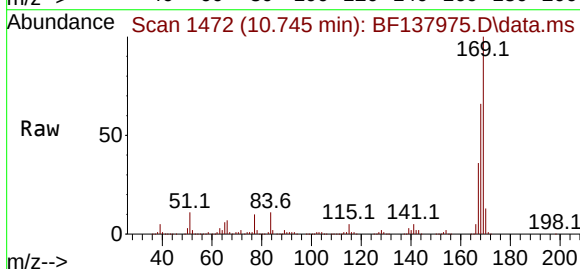
Instrument :
BNA_F
ClientSampleId :
PB160998BS

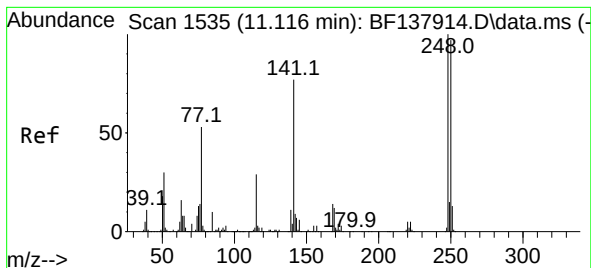
Tgt Ion:198 Resp: 189203
Ion Ratio Lower Upper
198 100
51 32.5 13.8 53.8
105 39.1 19.0 59.0



#66
n-Nitrosodiphenylamine
Concen: 46.156 ng
RT: 10.745 min Scan# 1472
Delta R.T. 0.000 min
Lab File: BF137975.D
Acq: 21 May 2024 13:23

Tgt Ion:169 Resp: 920101
Ion Ratio Lower Upper
169 100
168 66.4 52.4 78.6
167 35.9 28.9 43.3

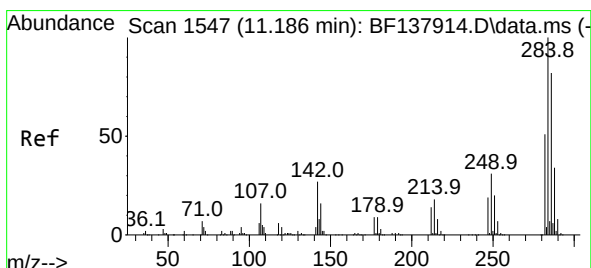
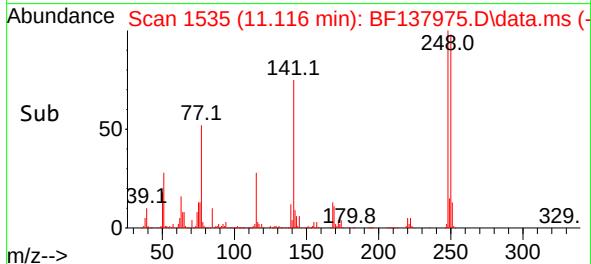
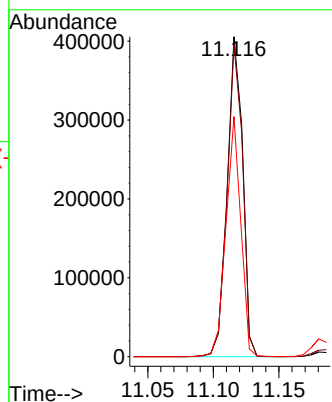
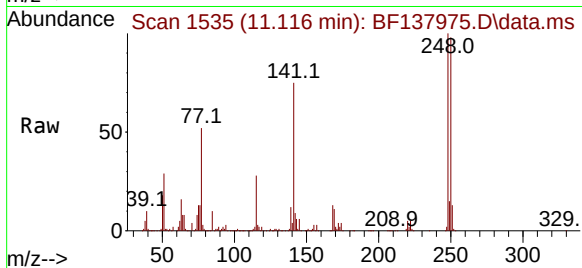




#67
4-Bromophenyl-phenylether
Concen: 46.875 ng
RT: 11.116 min Scan# 1535
Delta R.T. 0.000 min
Lab File: BF137975.D
Acq: 21 May 2024 13:23

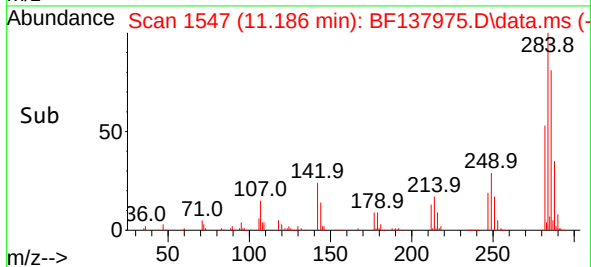
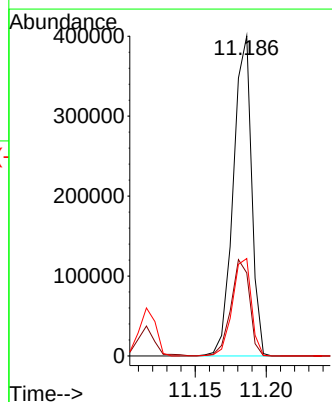
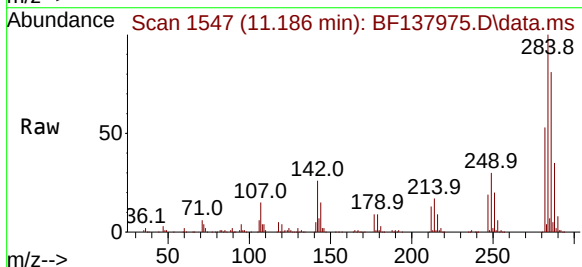
Instrument :
BNA_F
ClientSampleId :
PB160998BS

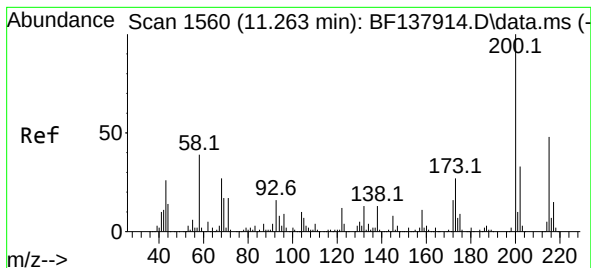
Tgt Ion:248 Resp: 334045
Ion Ratio Lower Upper
248 100
250 97.5 77.6 116.4
141 75.0 61.4 92.2



#68
Hexachlorobenzene
Concen: 45.552 ng
RT: 11.186 min Scan# 1547
Delta R.T. 0.000 min
Lab File: BF137975.D
Acq: 21 May 2024 13:23

Tgt Ion:284 Resp: 358828
Ion Ratio Lower Upper
284 100
142 25.9 21.3 31.9
249 30.4 24.6 37.0





#69

Atrazine

Concen: 56.058 ng

RT: 11.269 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF137975.D

Acq: 21 May 2024 13:23

Instrument :

BNA_F

ClientSampleId :

PB160998BS

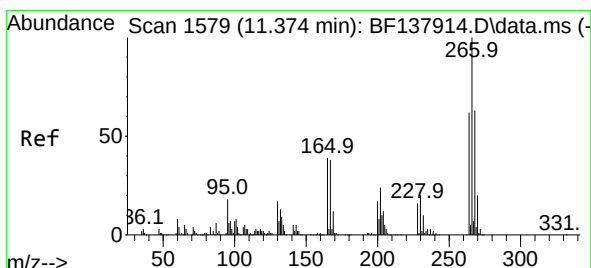
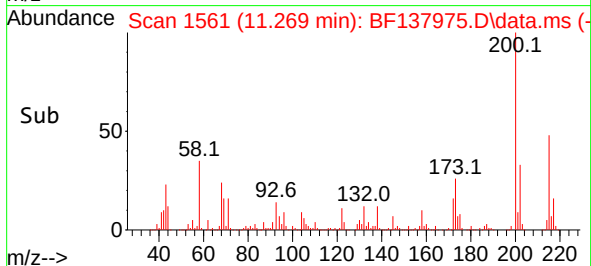
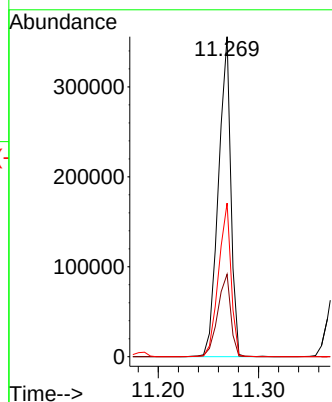
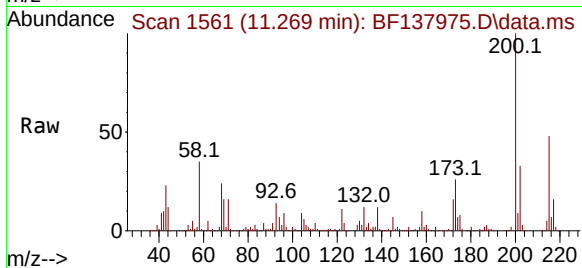
Tgt Ion:200 Resp: 305152

Ion Ratio Lower Upper

200 100

173 25.7 6.6 46.6

215 48.0 27.5 67.5



#70

Pentachlorophenol

Concen: 94.115 ng

RT: 11.380 min Scan# 1580

Delta R.T. 0.006 min

Lab File: BF137975.D

Acq: 21 May 2024 13:23

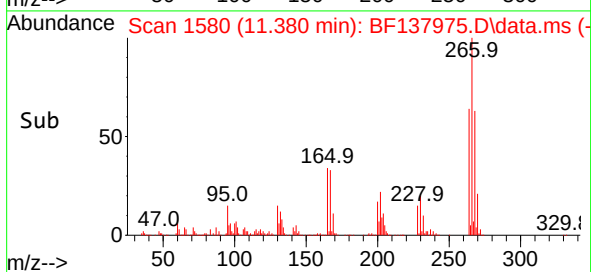
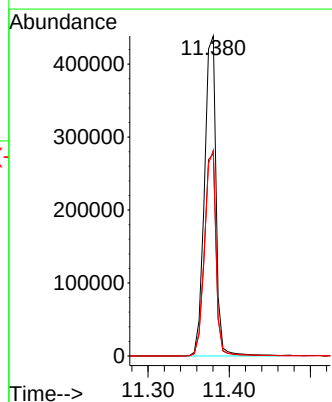
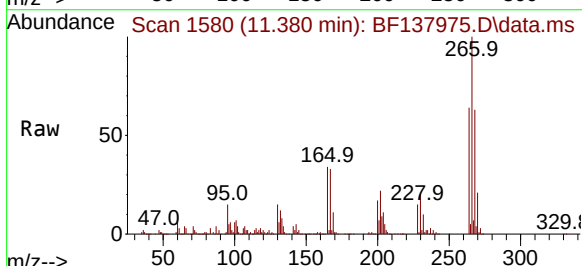
Tgt Ion:266 Resp: 434268

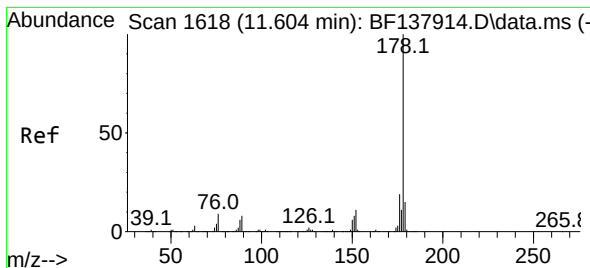
Ion Ratio Lower Upper

266 100

268 63.3 50.1 75.1

264 64.3 49.4 74.2





#71

Phenanthrene

Concen: 45.706 ng

RT: 11.604 min Scan# 1618

Delta R.T. 0.000 min

Lab File: BF137975.D

Acq: 21 May 2024 13:23

Instrument :

BNA_F

ClientSampleId :

PB160998BS

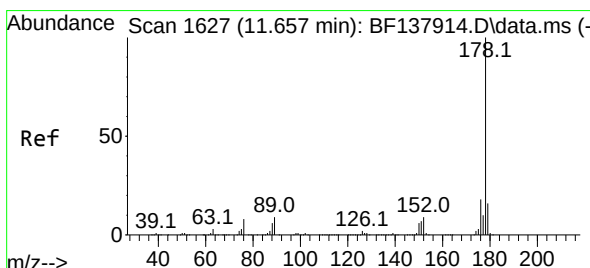
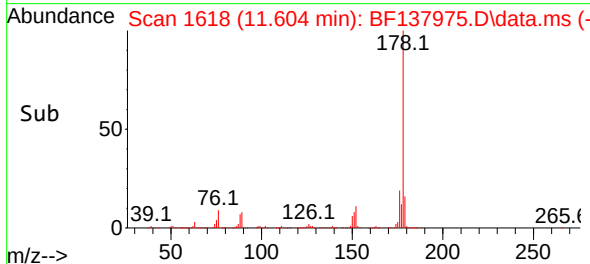
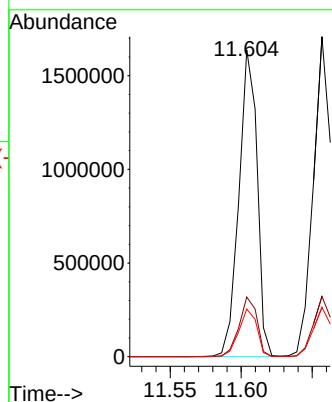
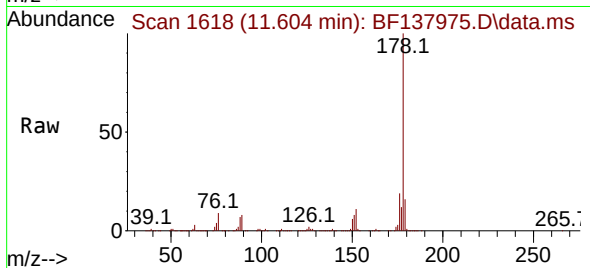
Tgt Ion:178 Resp: 1464102

Ion Ratio Lower Upper

178 100

176 19.4 15.2 22.8

179 15.6 12.2 18.4



#72

Anthracene

Concen: 46.633 ng

RT: 11.657 min Scan# 1627

Delta R.T. 0.000 min

Lab File: BF137975.D

Acq: 21 May 2024 13:23

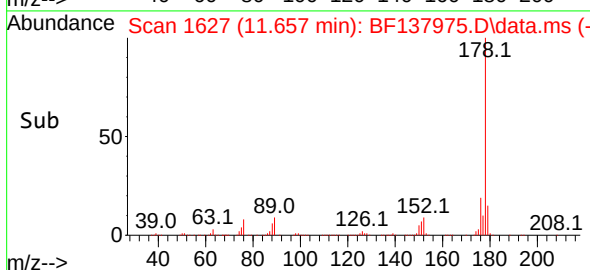
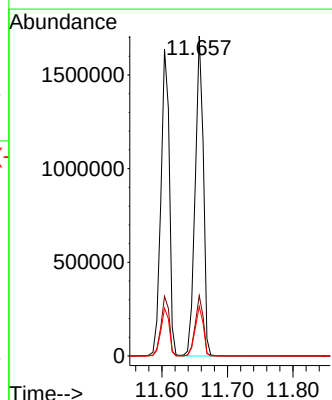
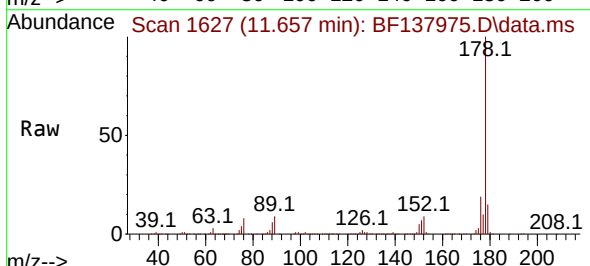
Tgt Ion:178 Resp: 1482134

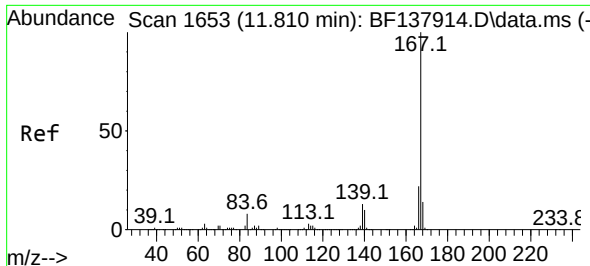
Ion Ratio Lower Upper

178 100

176 18.8 14.7 22.1

179 15.4 12.4 18.6



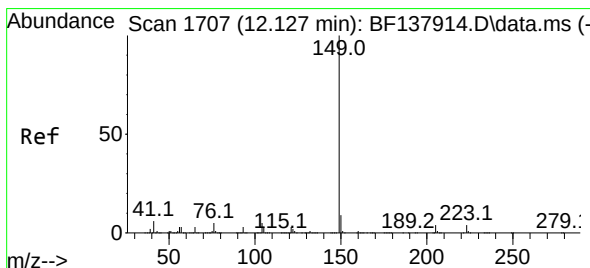
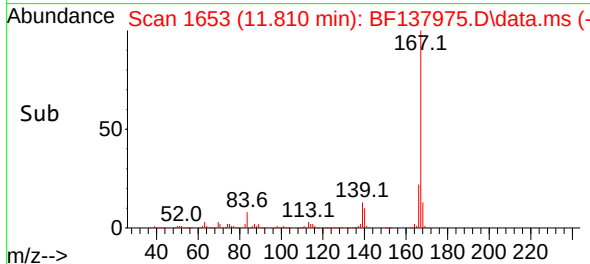
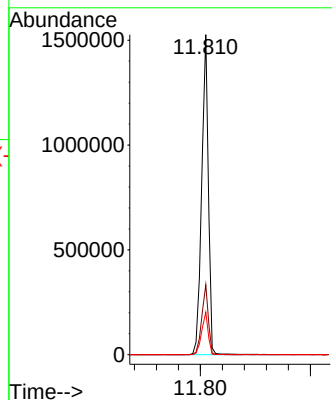
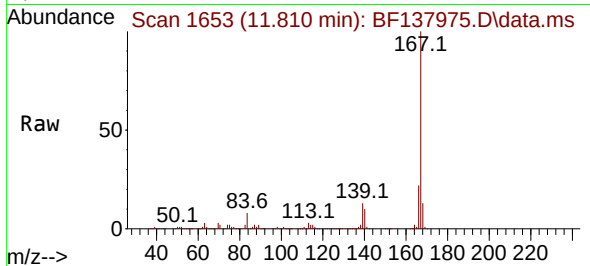


#73
 Carbazole
 Concen: 44.656 ng
 RT: 11.810 min Scan# 1653
 Delta R.T. 0.000 min
 Lab File: BF137975.D
 Acq: 21 May 2024 13:23

Instrument :
 BNA_F
 ClientSampleId :
 PB160998BS

Tgt Ion:167 Resp: 1296515

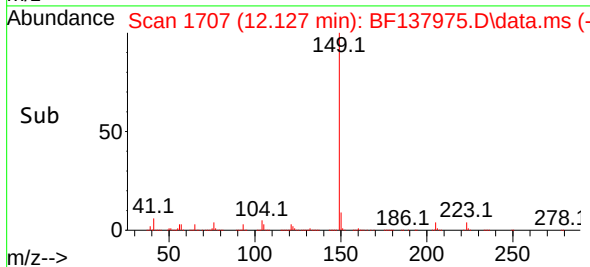
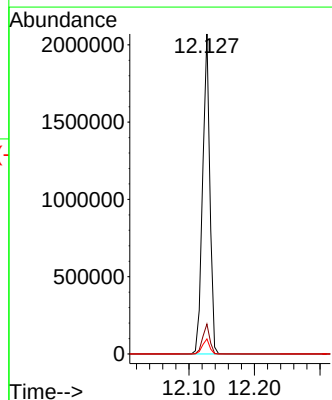
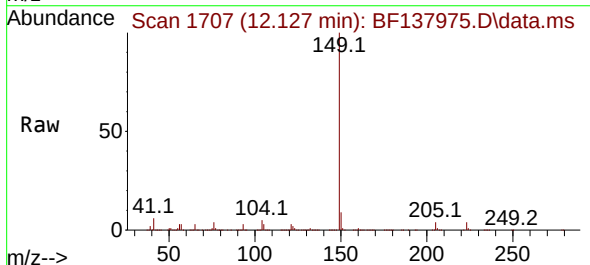
Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.3	25.9
139	13.2	10.3	15.5

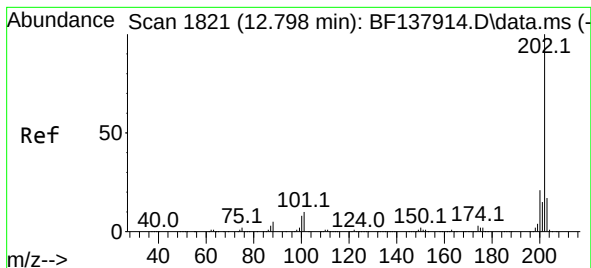


#74
 Di-n-butylphthalate
 Concen: 49.058 ng
 RT: 12.127 min Scan# 1707
 Delta R.T. 0.000 min
 Lab File: BF137975.D
 Acq: 21 May 2024 13:23

Tgt Ion:149 Resp: 1580704

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	4.7	3.6	5.4

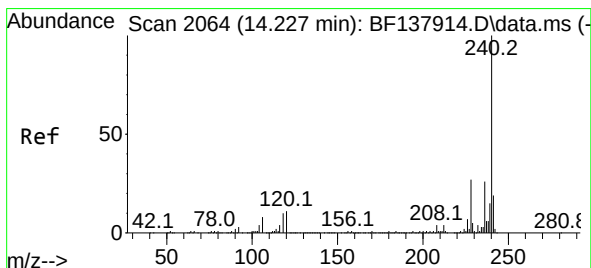
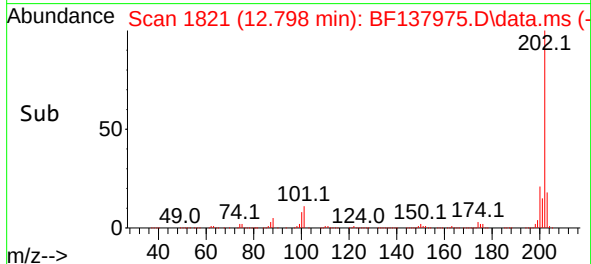
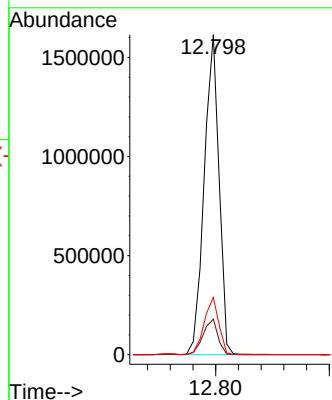
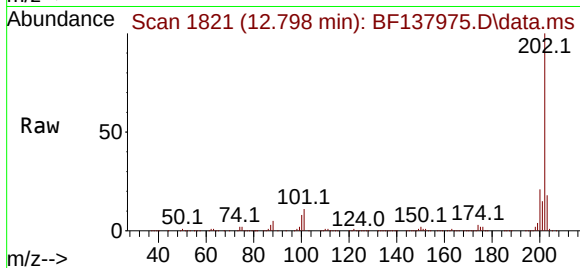




#75
Fluoranthene
Concen: 44.865 ng
RT: 12.798 min Scan# 1821
Delta R.T. 0.000 min
Lab File: BF137975.D
Acq: 21 May 2024 13:23

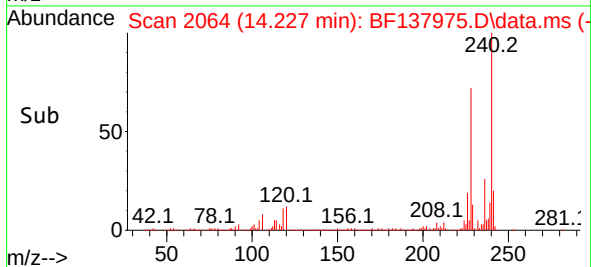
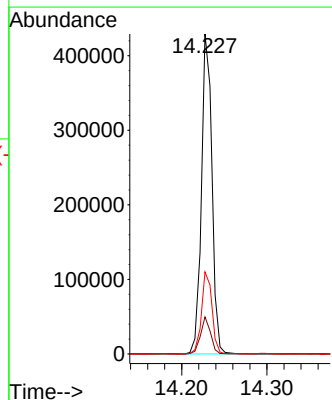
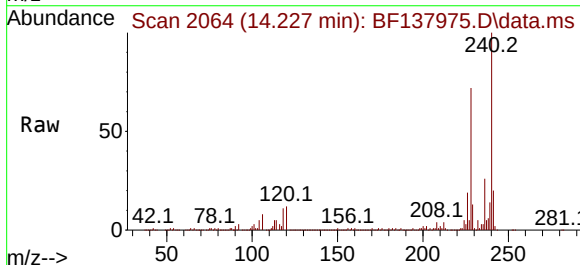
Instrument :
BNA_F
ClientSampleId :
PB160998BS

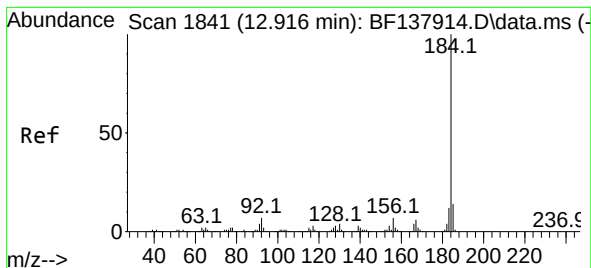
Tgt Ion:202 Resp: 1458754
Ion Ratio Lower Upper
202 100
101 11.1 0.0 30.5
203 17.9 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.227 min Scan# 2064
Delta R.T. 0.000 min
Lab File: BF137975.D
Acq: 21 May 2024 13:23

Tgt Ion:240 Resp: 368262
Ion Ratio Lower Upper
240 100
120 11.6 8.9 13.3
236 25.7 21.0 31.4





#77

Benzidine

Concen: 13.370 ng

RT: 12.910 min Scan# 1841

Delta R.T. -0.006 min

Lab File: BF137975.D

Acq: 21 May 2024 13:23

Instrument :

BNA_F

ClientSampleId :

PB160998BS

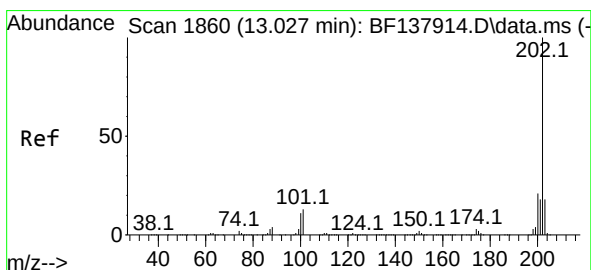
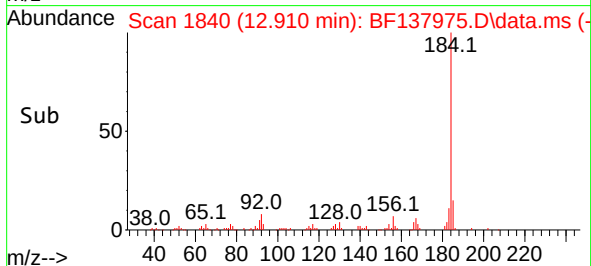
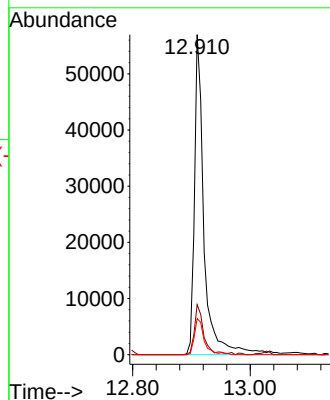
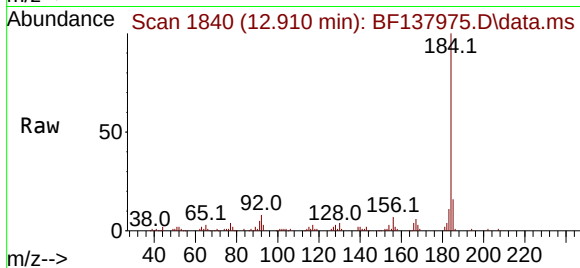
Tgt Ion:184 Resp: 64345

Ion Ratio Lower Upper

184 100

185 15.6 11.4 17.2

183 11.3 9.5 14.3



#78

Pyrene

Concen: 45.359 ng

RT: 13.027 min Scan# 1860

Delta R.T. 0.000 min

Lab File: BF137975.D

Acq: 21 May 2024 13:23

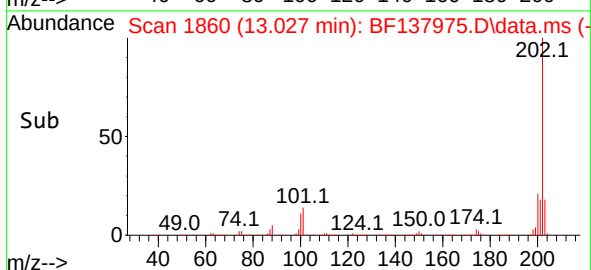
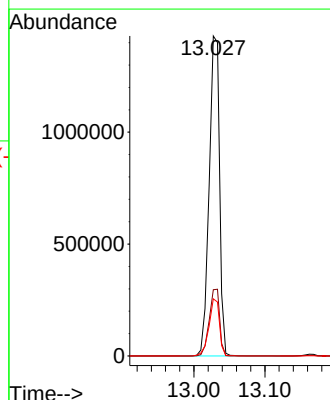
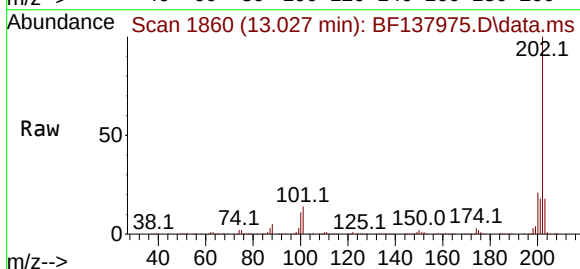
Tgt Ion:202 Resp: 1460999

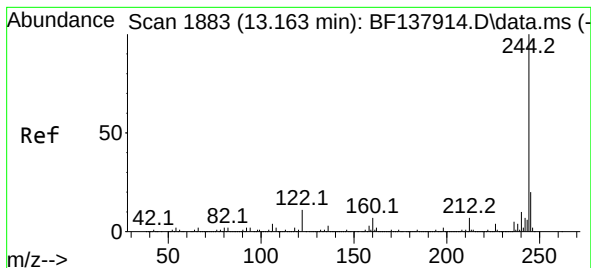
Ion Ratio Lower Upper

202 100

200 20.7 17.0 25.4

203 17.9 14.1 21.1





#79

Terphenyl-d14

Concen: 87.938 ng

RT: 13.168 min Scan# 1883

Delta R.T. 0.006 min

Lab File: BF137975.D

Acq: 21 May 2024 13:23

Instrument :

BNA_F

ClientSampleId :

PB160998BS

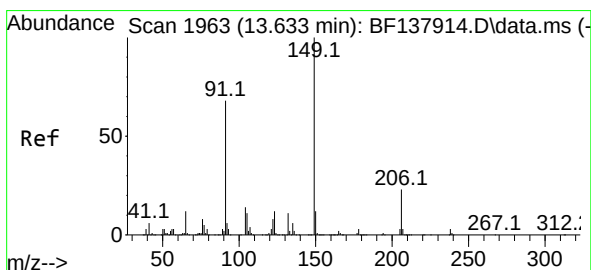
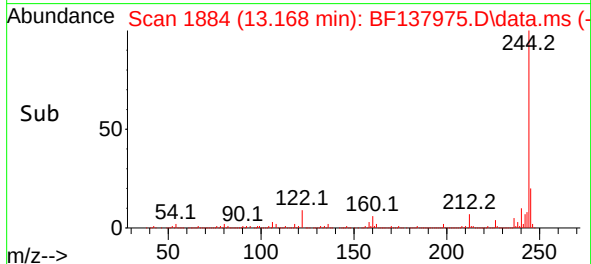
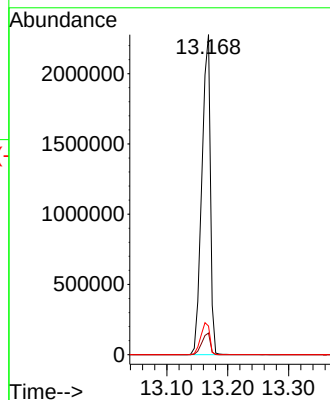
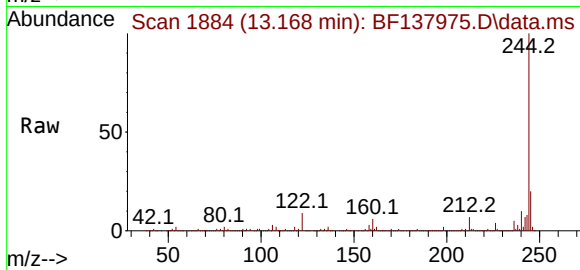
Tgt Ion:244 Resp: 2197327

Ion Ratio Lower Upper

244 100

212 6.7 5.6 8.4

122 9.0 8.8 13.2



#80

Butylbenzylphthalate

Concen: 54.184 ng

RT: 13.633 min Scan# 1963

Delta R.T. 0.000 min

Lab File: BF137975.D

Acq: 21 May 2024 13:23

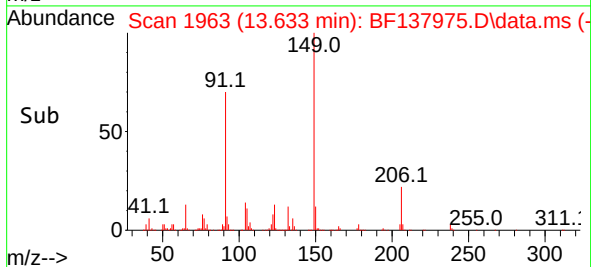
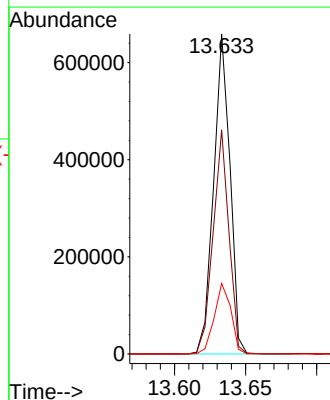
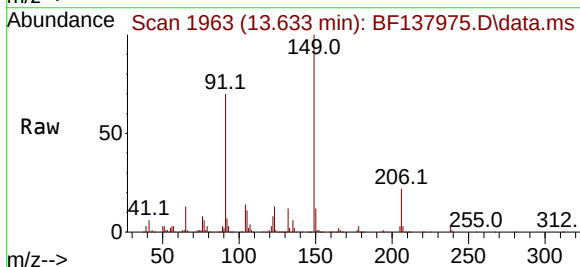
Tgt Ion:149 Resp: 526414

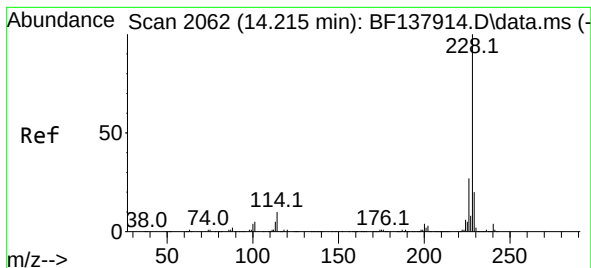
Ion Ratio Lower Upper

149 100

91 70.0 54.2 81.4

206 22.1 18.1 27.1





#81

Benzo(a)anthracene

Concen: 47.760 ng

RT: 14.215 min Scan# 2062

Delta R.T. 0.000 min

Lab File: BF137975.D

Acq: 21 May 2024 13:23

Instrument :

BNA_F

ClientSampleId :

PB160998BS

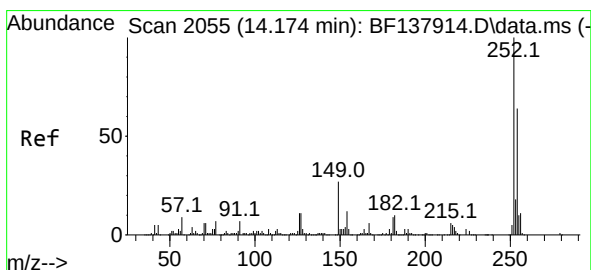
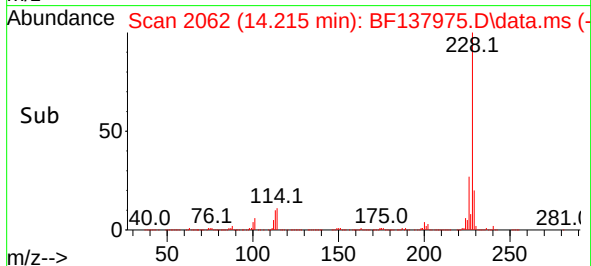
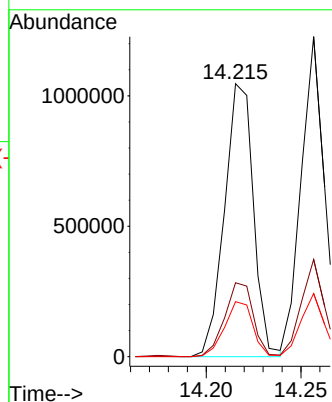
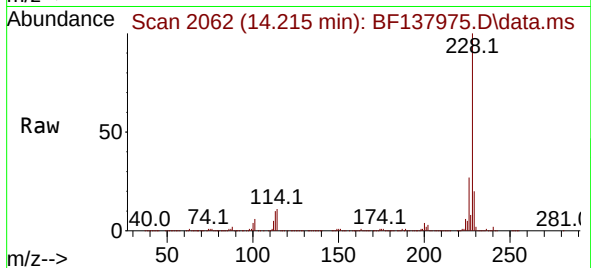
Tgt Ion:228 Resp: 1112747

Ion Ratio Lower Upper

228 100

226 27.1 21.3 31.9

229 20.2 15.7 23.5



#82

3,3'-Dichlorobenzidine

Concen: 34.850 ng

RT: 14.174 min Scan# 2055

Delta R.T. 0.000 min

Lab File: BF137975.D

Acq: 21 May 2024 13:23

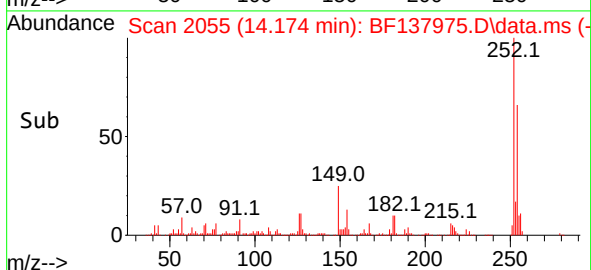
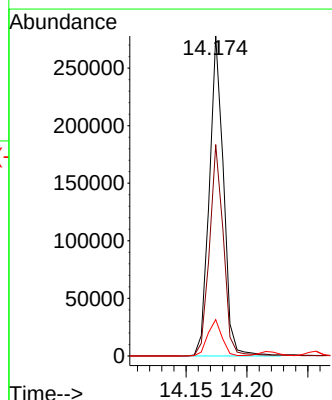
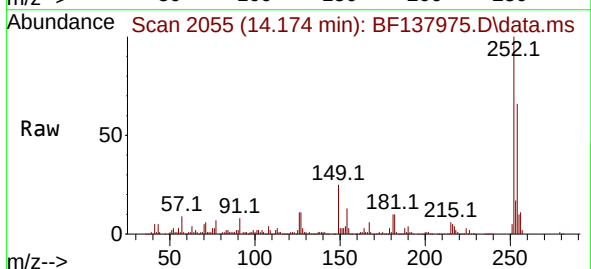
Tgt Ion:252 Resp: 225018

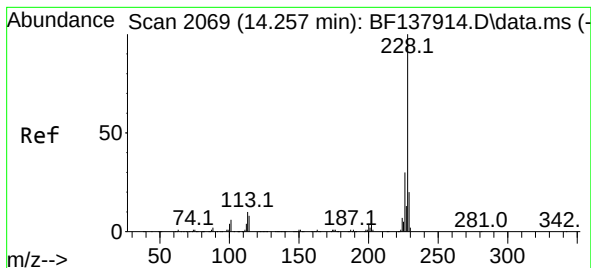
Ion Ratio Lower Upper

252 100

254 66.1 51.2 76.8

126 11.3 8.7 13.1





#83

Chrysene

Concen: 46.257 ng

RT: 14.257 min Scan# 2069

Delta R.T. 0.000 min

Lab File: BF137975.D

Acq: 21 May 2024 13:23

Instrument :

BNA_F

ClientSampleId :

PB160998BS

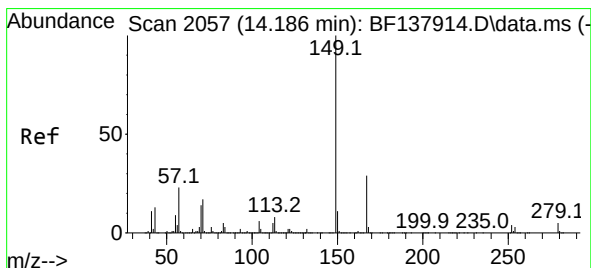
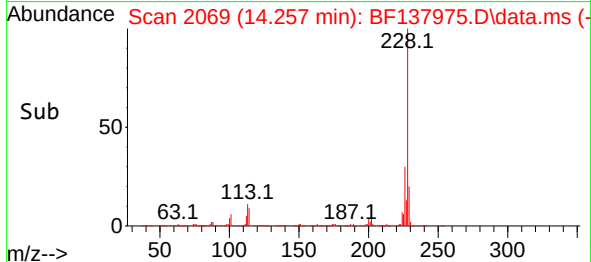
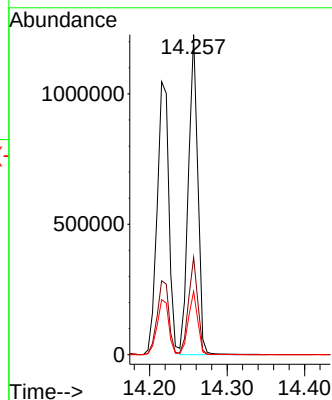
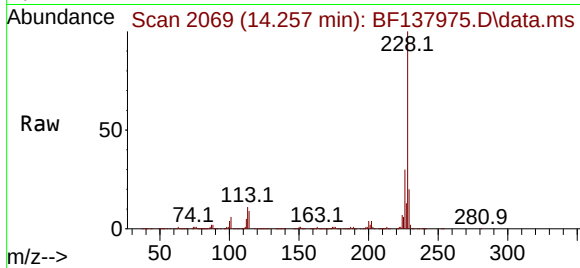
Tgt Ion:228 Resp: 1030714

Ion Ratio Lower Upper

228 100

226 30.4 23.8 35.8

229 19.7 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 55.609 ng

RT: 14.186 min Scan# 2057

Delta R.T. 0.000 min

Lab File: BF137975.D

Acq: 21 May 2024 13:23

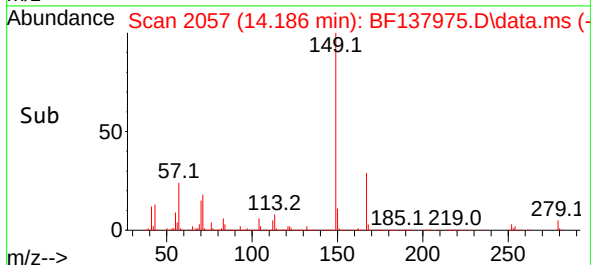
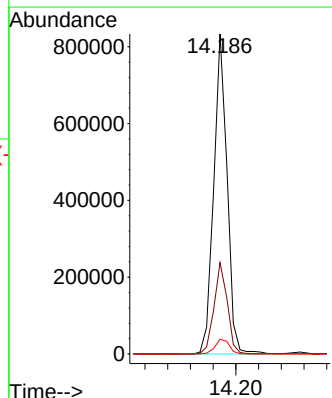
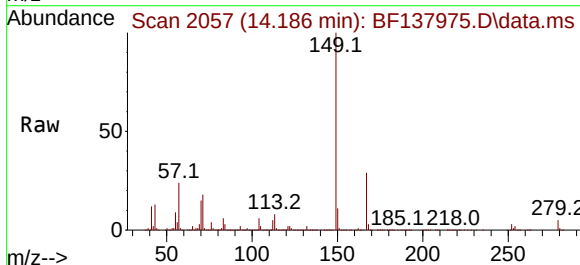
Tgt Ion:149 Resp: 679137

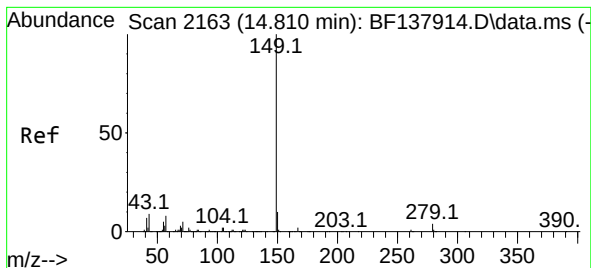
Ion Ratio Lower Upper

149 100

167 28.6 23.2 34.8

279 4.6 4.1 6.1





#85

Di-n-octyl phthalate

Concen: 57.961 ng

RT: 14.815 min Scan# 2164

Delta R.T. 0.006 min

Lab File: BF137975.D

Acq: 21 May 2024 13:23

Instrument :

BNA_F

ClientSampleId :

PB160998BS

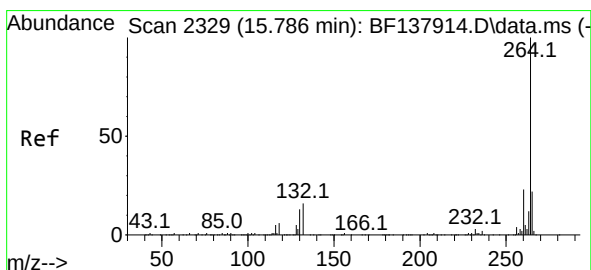
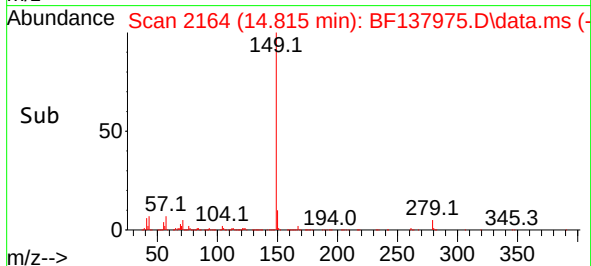
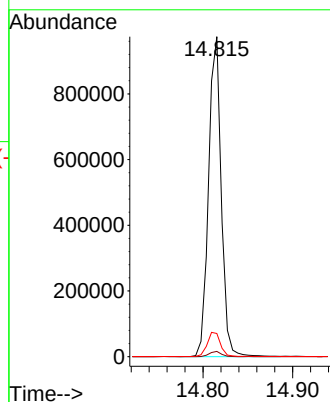
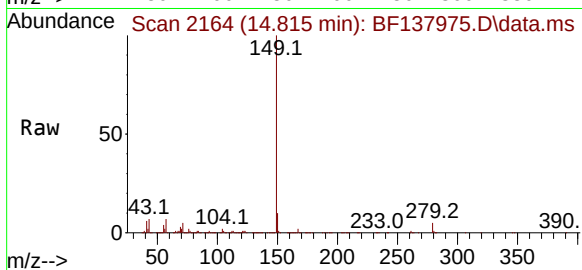
Tgt Ion:149 Resp: 956279

Ion Ratio Lower Upper

149 100

167 1.6 1.4 2.0

43 7.9 6.6 9.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.786 min Scan# 2329

Delta R.T. 0.000 min

Lab File: BF137975.D

Acq: 21 May 2024 13:23

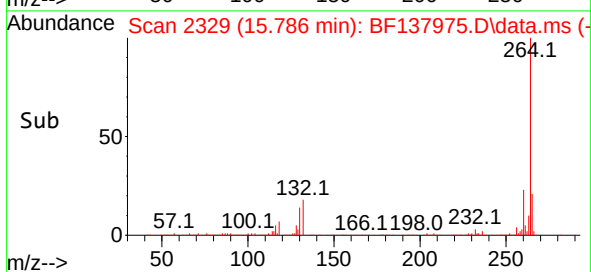
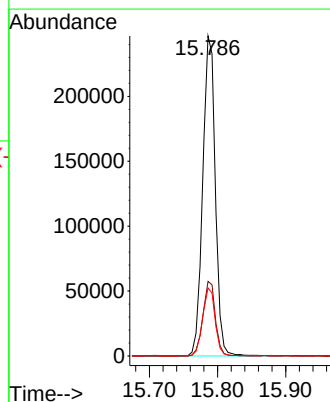
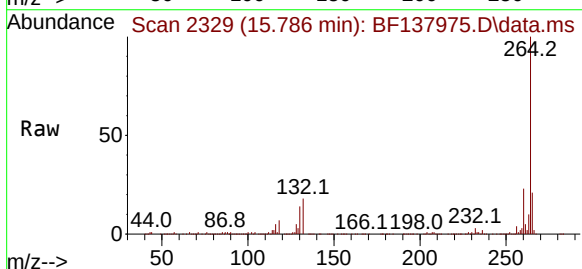
Tgt Ion:264 Resp: 316687

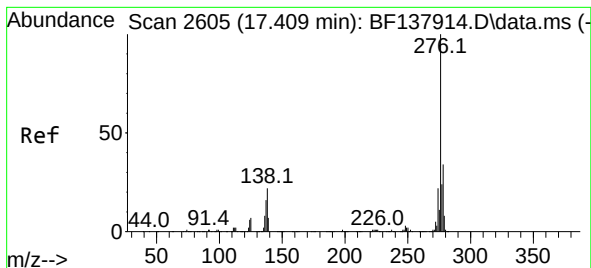
Ion Ratio Lower Upper

264 100

260 23.3 18.3 27.5

265 21.2 17.6 26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 50.060 ng

RT: 17.421 min Scan# 2

Delta R.T. 0.012 min

Lab File: BF137975.D

Acq: 21 May 2024 13:23

Instrument :

BNA_F

ClientSampleId :

PB160998BS

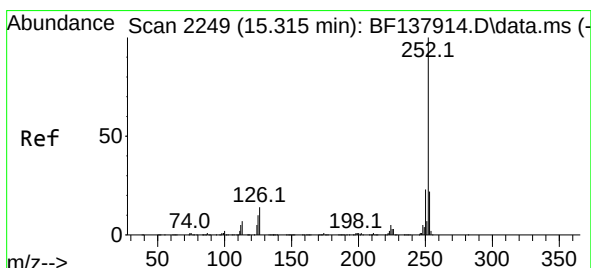
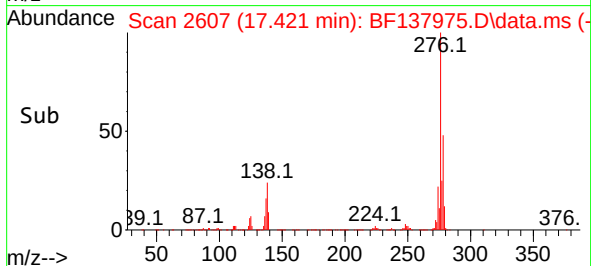
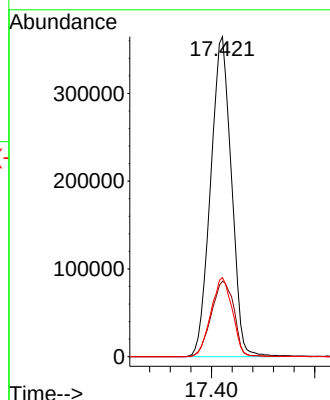
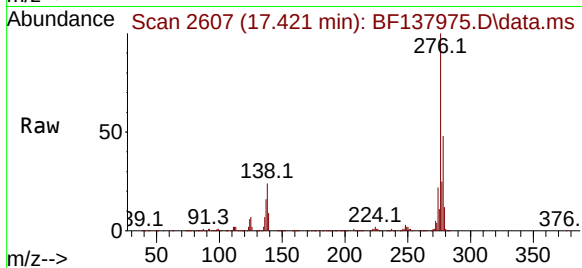
Tgt Ion:276 Resp: 1018524

Ion Ratio Lower Upper

276 100

138 26.0 20.6 30.8

277 25.5 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 48.292 ng

RT: 15.321 min Scan# 2250

Delta R.T. 0.006 min

Lab File: BF137975.D

Acq: 21 May 2024 13:23

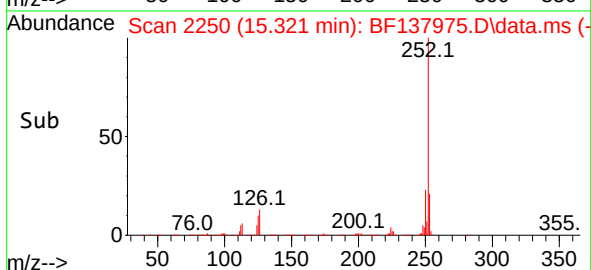
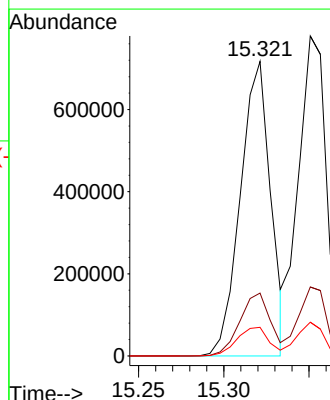
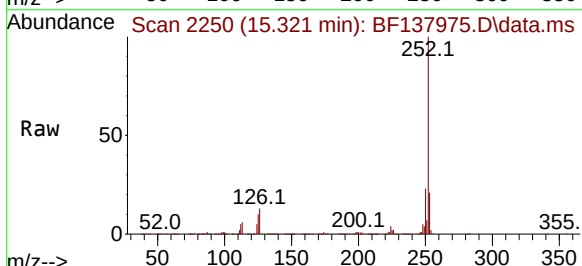
Tgt Ion:252 Resp: 885491

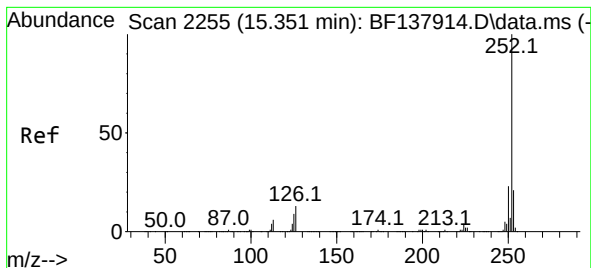
Ion Ratio Lower Upper

252 100

253 21.4 17.6 26.4

125 9.7 8.2 12.4





#89

Benzo(k)fluoranthene

Concen: 49.679 ng

RT: 15.351 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF137975.D

Acq: 21 May 2024 13:23

Instrument :

BNA_F

ClientSampleId :

PB160998BS

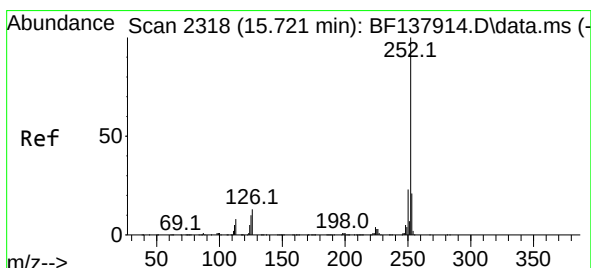
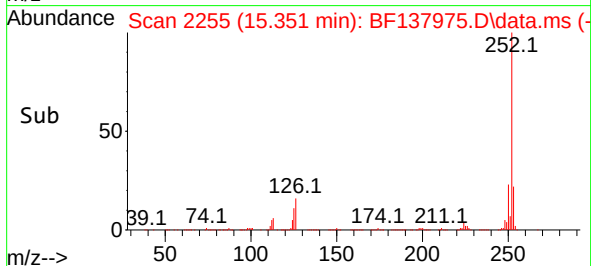
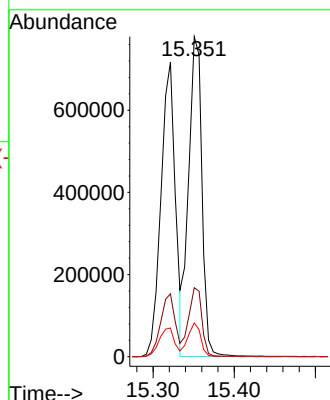
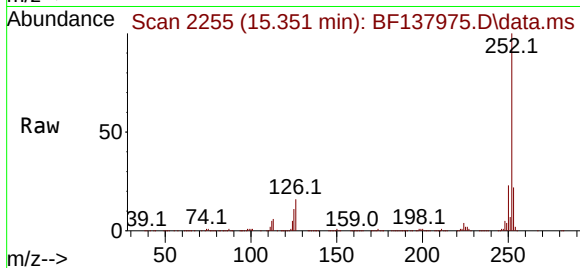
Tgt Ion:252 Resp: 894897

Ion Ratio Lower Upper

252 100

253 21.5 17.4 26.0

125 10.5 7.7 11.5



#90

Benzo(a)pyrene

Concen: 51.139 ng

RT: 15.721 min Scan# 2318

Delta R.T. 0.000 min

Lab File: BF137975.D

Acq: 21 May 2024 13:23

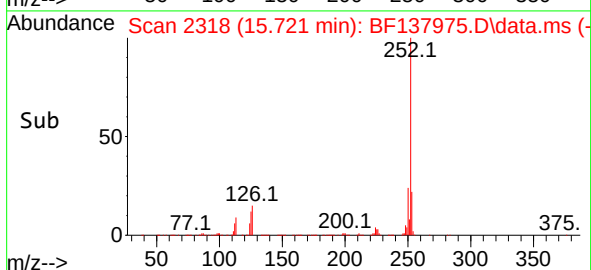
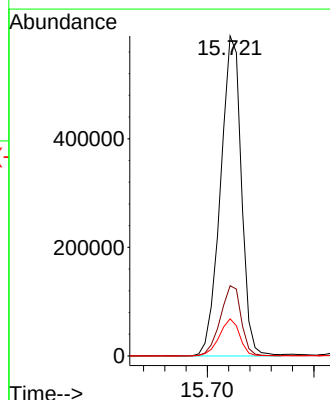
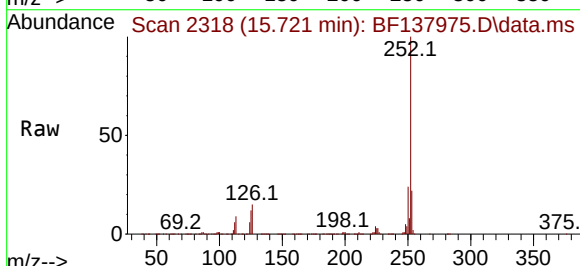
Tgt Ion:252 Resp: 800710

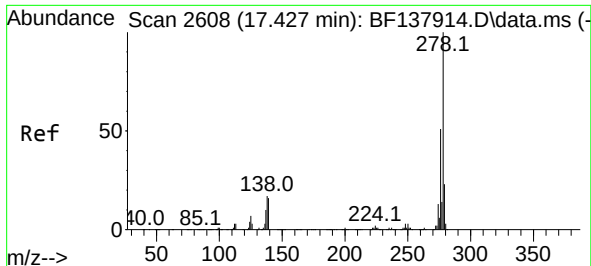
Ion Ratio Lower Upper

252 100

253 21.9 17.0 25.6

125 11.6 7.8 11.8

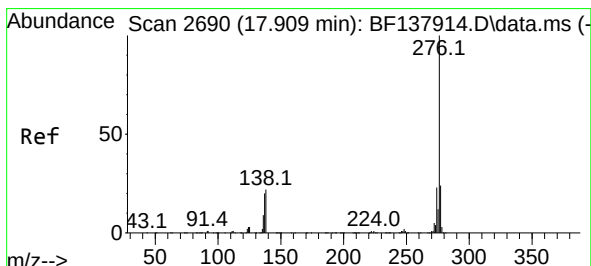
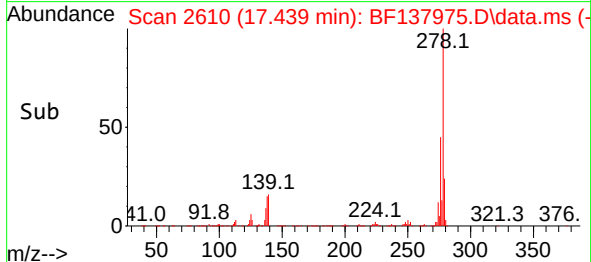
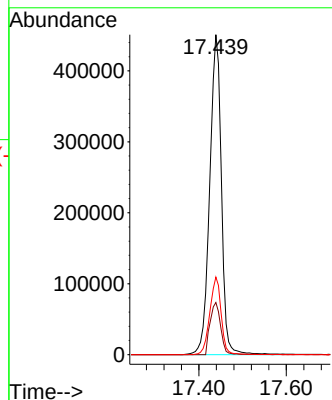
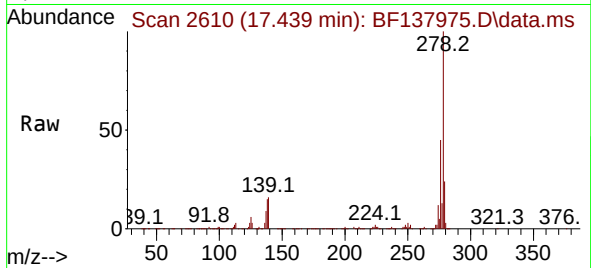




#91
Dibenzo(a,h)anthracene
Concen: 49.943 ng
RT: 17.439 min Scan# 2610
Delta R.T. 0.012 min
Lab File: BF137975.D
Acq: 21 May 2024 13:23

Instrument :
BNA_F
ClientSampleId :
PB160998BS

Tgt Ion:278 Resp: 839562
Ion Ratio Lower Upper
278 100
139 16.3 13.1 19.7
279 24.2 18.5 27.7



#92
Benzo(g,h,i)perylene
Concen: 46.150 ng
RT: 17.915 min Scan# 2691
Delta R.T. 0.006 min
Lab File: BF137975.D
Acq: 21 May 2024 13:23

Tgt Ion:276 Resp: 814982
Ion Ratio Lower Upper
276 100
277 23.6 18.9 28.3
138 21.6 17.6 26.4

