

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012524\
 Data File : BF137155.D
 Acq On : 25 Jan 2024 19:02
 Operator : CG\JU
 Sample : P1240-03MSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11985MSD

Quant Time: Jan 26 10:17:34 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 25 23:14:32 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.810	152	73455	20.000	ng	0.00
21) Naphthalene-d8	8.086	136	278306	20.000	ng	0.00
39) Acenaphthene-d10	9.845	164	163116	20.000	ng	0.00
64) Phenanthrene-d10	11.333	188	315408	20.000	ng	0.00
76) Chrysene-d12	13.992	240	163005	20.000	ng	0.00
86) Perylene-d12	15.474	264	188530	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	559443	112.836	ng	0.02
7) Phenol-d6	6.445	99	707458	108.525	ng	0.00
23) Nitrobenzene-d5	7.375	82	518176	87.282	ng	0.00
42) 2,4,6-Tribromophenol	10.639	330	232275	135.368	ng	0.00
45) 2-Fluorobiphenyl	9.169	172	928444	79.241	ng	0.00
79) Terphenyl-d14	12.939	244	1059362	92.933	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.810	88	86491	36.103	ng	# 78
3) Pyridine	3.504	79	174144	30.120	ng	97
4) n-Nitrosodimethylamine	3.457	42	135288	40.156	ng	94
6) Aniline	6.475	93	106306	13.517	ng	98
8) 2-Chlorophenol	6.598	128	226079	44.425	ng	97
9) Benzaldehyde	6.363	77	113444	33.173	ng	95
10) Phenol	6.457	94	279893	37.583	ng	97
11) bis(2-Chloroethyl)ether	6.551	93	239100	44.038	ng	98
12) 1,3-Dichlorobenzene	6.751	146	234030	40.258	ng	97
13) 1,4-Dichlorobenzene	6.828	146	240644	40.927	ng	98
14) 1,2-Dichlorobenzene	6.981	146	227962	41.025	ng	98
15) Benzyl Alcohol	6.957	79	247327	46.799	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.087	45	375797	39.228	ng	96
17) 2-Methylphenol	7.063	107	194907	44.692	ng	99
18) Hexachloroethane	7.322	117	81806	41.217	ng	94
19) n-Nitroso-di-n-propyla...	7.228	70	193901	43.964	ng	99
20) 3+4-Methylphenols	7.216	107	243826	44.243	ng	# 89
22) Acetophenone	7.222	105	347254	43.890	ng	# 94
24) Nitrobenzene	7.392	77	282390	47.302	ng	99
25) Isophorone	7.634	82	528229	45.060	ng	97
26) 2-Nitrophenol	7.704	139	103514	50.282	ng	97
27) 2,4-Dimethylphenol	7.745	122	171257	48.314	ng	99
28) bis(2-Chloroethoxy)met...	7.845	93	295297	44.709	ng	99
29) 2,4-Dichlorophenol	7.945	162	197782	46.418	ng	97
30) 1,2,4-Trichlorobenzene	8.028	180	215477	42.947	ng	98
31) Naphthalene	8.110	128	665992	44.316	ng	99
32) Benzoic acid	7.863	122	106694	46.166	ng	91
33) 4-Chloroaniline	8.157	127	44122	7.777	ng	97
34) Hexachlorobutadiene	8.228	225	140331	42.256	ng	98
35) Caprolactam	8.528	113	36695	28.546	ng	# 83
36) 4-Chloro-3-methylphenol	8.639	107	236396	48.707	ng	98
37) 2-Methylnaphthalene	8.804	142	460661	45.514	ng	99
38) 1-Methylnaphthalene	8.904	142	433490	46.096	ng	99
40) 1,2,4,5-Tetrachloroben...	8.969	216	238619	43.035	ng	99
41) Hexachlorocyclopentadiene	8.957	237	231702	102.793	ng	98
43) 2,4,6-Trichlorophenol	9.081	196	157172	48.202	ng	98

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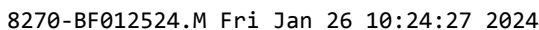
Instrument :
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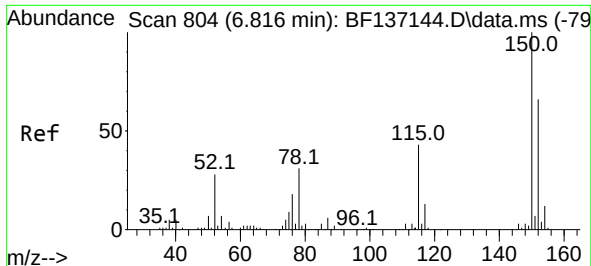
Quant Time: Jan 26 10:17:34 2024
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.116	196	168809	48.239	ng	97
46) 1,1'-Biphenyl	9.269	154	585281	45.007	ng	99
47) 2-Chloronaphthalene	9.292	162	435559	45.503	ng	99
48) 2-Nitroaniline	9.386	65	160737	49.999	ng	92
49) Acenaphthylene	9.710	152	700772	45.549	ng	98
50) Dimethylphthalate	9.581	163	540522	48.931	ng	100
51) 2,6-Dinitrotoluene	9.633	165	117056	52.428	ng	91
52) Acenaphthene	9.880	154	437076	45.902	ng	98
53) 3-Nitroaniline	9.798	138	43185	21.407	ng	90
54) 2,4-Dinitrophenol	9.904	184	90916	86.742	ng	89
55) Dibenzofuran	10.057	168	656020	45.672	ng	98
56) 4-Nitrophenol	9.963	139	157451	98.116	ng	94
57) 2,4-Dinitrotoluene	10.039	165	154603	54.230	ng	90
58) Fluorene	10.398	166	509299	46.256	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.169	232	150975	49.465	ng	97
60) Diethylphthalate	10.280	149	535440	49.423	ng	99
61) 4-Chlorophenyl-phenyle...	10.392	204	248453	45.270	ng	99
62) 4-Nitroaniline	10.422	138	101068	50.210	ng	98
63) Azobenzene	10.557	77	579123	45.901	ng	97
65) 4,6-Dinitro-2-methylph...	10.445	198	64230	50.552	ng	# 80
66) n-Nitrosodiphenylamine	10.516	169	459444	47.514	ng	99
67) 4-Bromophenyl-phenylether	10.886	248	171748	47.259	ng	98
68) Hexachlorobenzene	10.945	284	180660	47.264	ng	99
69) Atrazine	11.045	200	157497	50.556	ng	98
70) Pentachlorophenol	11.139	266	212963	97.775	ng	98
71) Phenanthrene	11.363	178	759572	45.511	ng	100
72) Anthracene	11.416	178	771323	45.366	ng	100
73) Carbazole	11.569	167	654478	45.080	ng	99
74) Di-n-butylphthalate	11.916	149	822021	54.072	ng	99
75) Fluoranthene	12.557	202	755443	43.618	ng	99
77) Benzidine	12.680	184	27117	8.578	ng	97
78) Pyrene	12.786	202	746735	50.796	ng	99
80) Butylbenzylphthalate	13.421	149	228614	66.050	ng	92
81) Benzo(a)anthracene	13.980	228	579745	48.619	ng	98
82) 3,3'-Dichlorobenzidine	13.945	252	104241	35.359	ng	99
83) Chrysene	14.015	228	552412	48.878	ng	99
84) Bis(2-ethylhexyl)phtha...	13.992	149	355654	68.302	ng	97
85) Di-n-octyl phthalate	14.610	149	551556	67.821	ng	95
87) Indeno(1,2,3-cd)pyrene	16.986	276	546981	43.214	ng	99
88) Benzo(b)fluoranthene	15.045	252	568482	45.956	ng	97
89) Benzo(k)fluoranthene	15.074	252	524133	43.364	ng	99
90) Benzo(a)pyrene	15.415	252	505912	46.297	ng	99
91) Dibenzo(a,h)anthracene	17.015	278	451267	44.234	ng	98
92) Benzo(g,h,i)perylene	17.445	276	400800	40.794	ng	97

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

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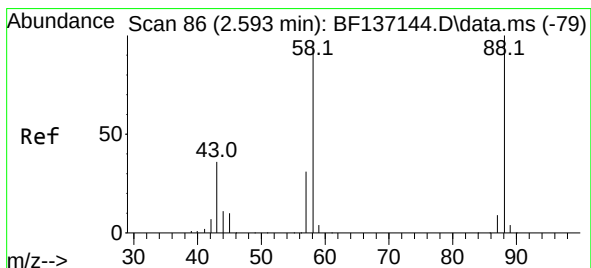
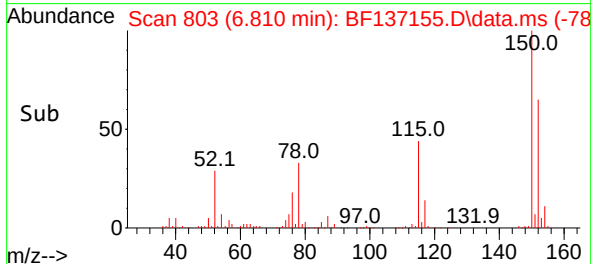
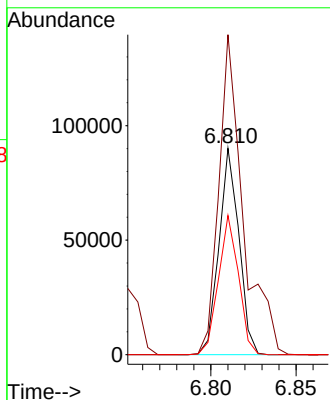
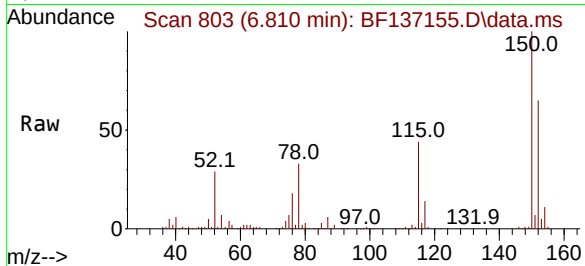




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.810 min Scan# 80
 Delta R.T. -0.006 min
 Lab File: BF137155.D
 Acq: 25 Jan 2024 19:02

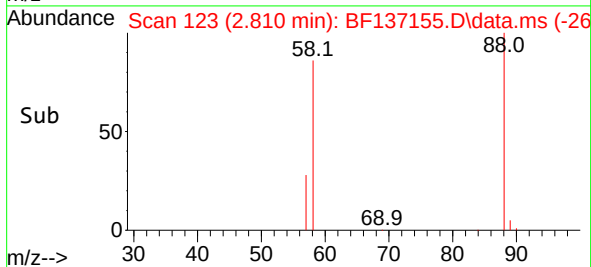
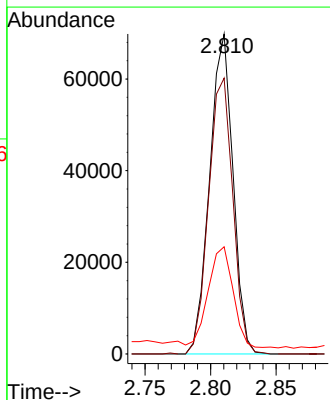
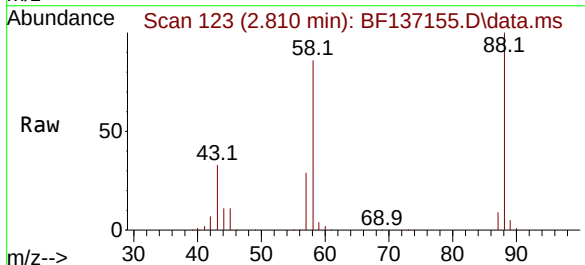
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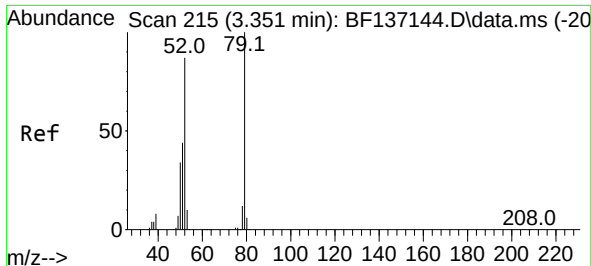
Tgt Ion:152 Resp: 73455
 Ion Ratio Lower Upper
 152 100
 150 155.0 121.2 181.8
 115 67.4 52.5 78.7



#2
 1,4-Dioxane
 Concen: 36.103 ng
 RT: 2.810 min Scan# 123
 Delta R.T. 0.218 min
 Lab File: BF137155.D
 Acq: 25 Jan 2024 19:02

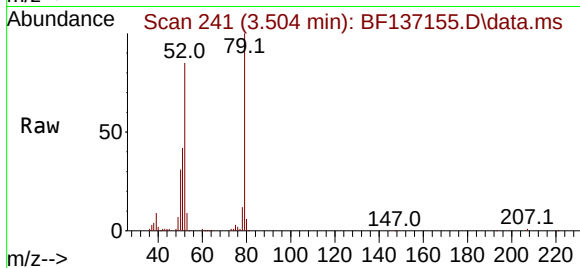
Tgt Ion: 88 Resp: 86491
 Ion Ratio Lower Upper
 88 100
 58 89.6 76.9 115.3
 43 0.0 29.8 44.8#



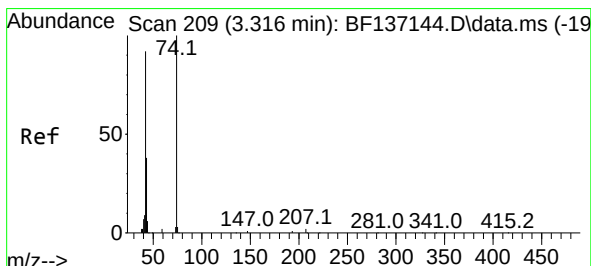
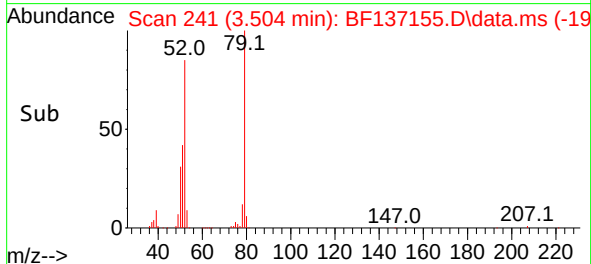
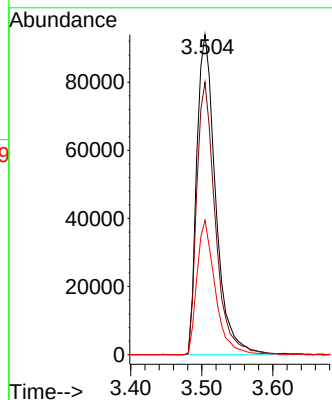


#3
Pyridine
Concen: 30.120 ng
RT: 3.504 min Scan# 241
Delta R.T. 0.153 min
Lab File: BF137155.D
Acq: 25 Jan 2024 19:02

Instrument :
BNA_F
ClientSampleId :
72-11985MSD

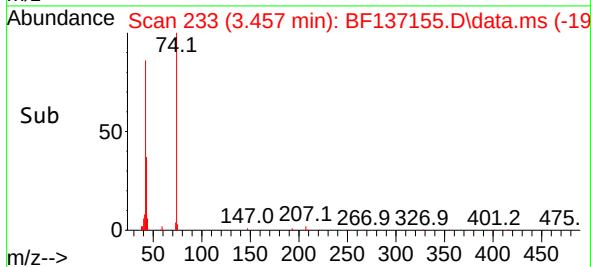
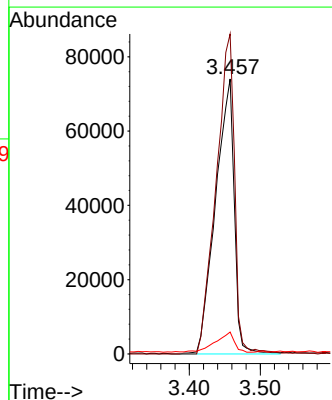
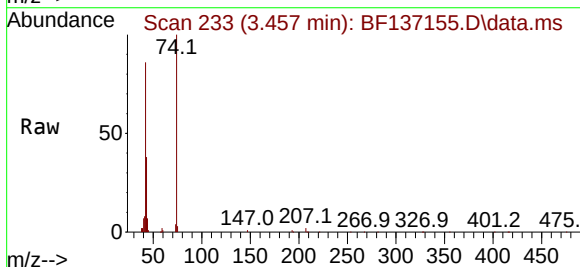


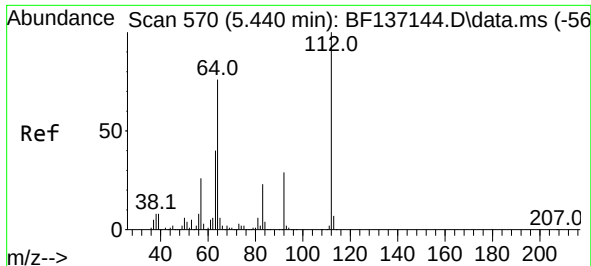
Tgt Ion: 79 Resp: 174144
Ion Ratio Lower Upper
79 100
52 85.2 69.8 104.8
51 42.0 35.1 52.7



#4
n-Nitrosodimethylamine
Concen: 40.156 ng
RT: 3.457 min Scan# 233
Delta R.T. 0.141 min
Lab File: BF137155.D
Acq: 25 Jan 2024 19:02

Tgt Ion: 42 Resp: 135288
Ion Ratio Lower Upper
42 100
74 116.3 87.4 131.0
44 8.0 6.2 9.2

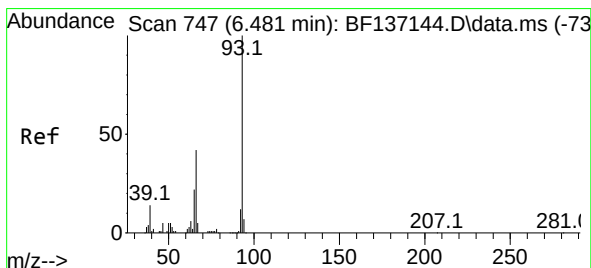
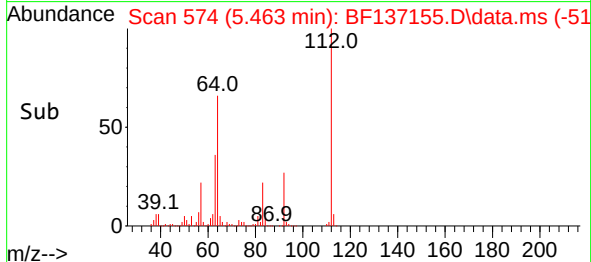
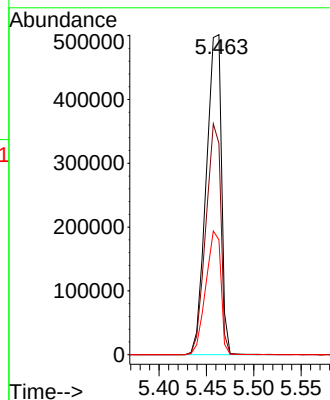
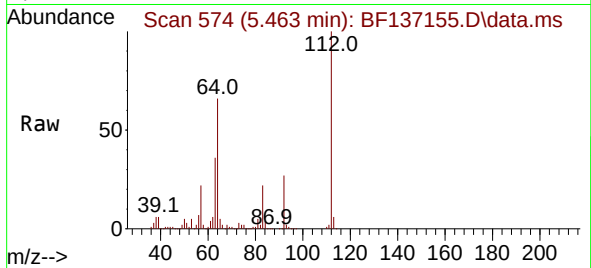




#5
2-Fluorophenol
Concen: 112.836 ng
RT: 5.463 min Scan# 51
Delta R.T. 0.024 min
Lab File: BF137155.D
Acq: 25 Jan 2024 19:02

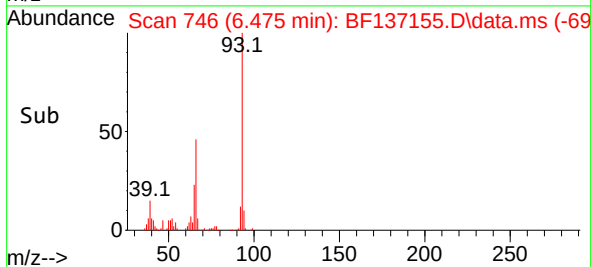
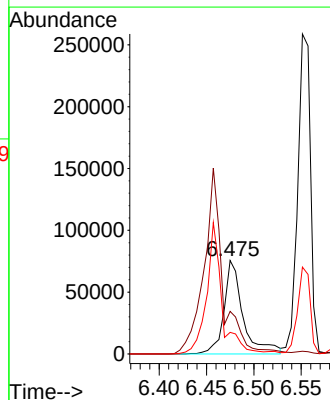
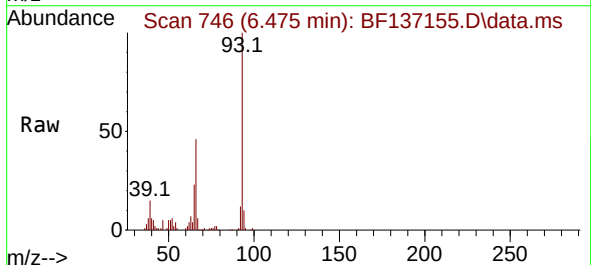
Instrument :
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ClientSampleId :
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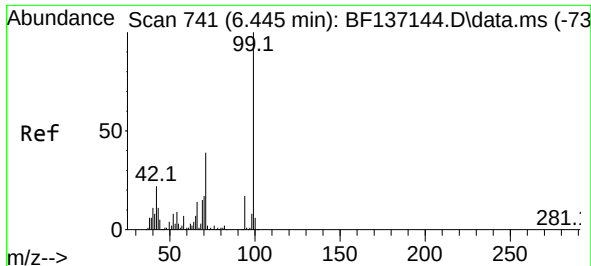
Tgt Ion:112 Resp: 559443
Ion Ratio Lower Upper
112 100
64 66.0 60.8 91.2
63 35.9 32.1 48.1



#6
Aniline
Concen: 13.517 ng
RT: 6.475 min Scan# 746
Delta R.T. -0.006 min
Lab File: BF137155.D
Acq: 25 Jan 2024 19:02

Tgt Ion: 93 Resp: 106306
Ion Ratio Lower Upper
93 100
66 45.6 35.4 53.0
65 23.2 18.3 27.5

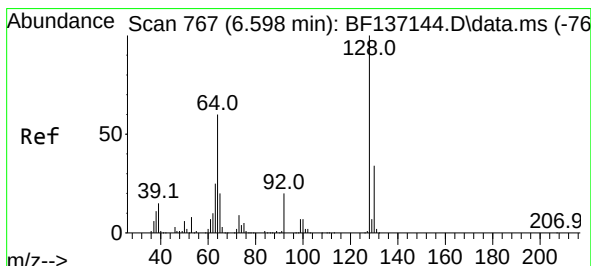
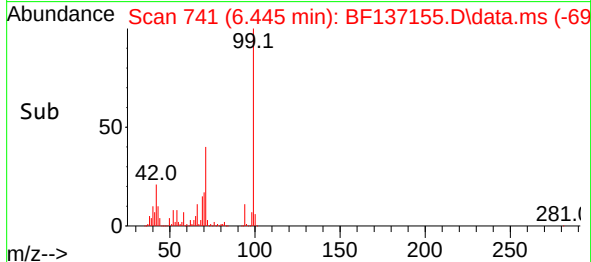
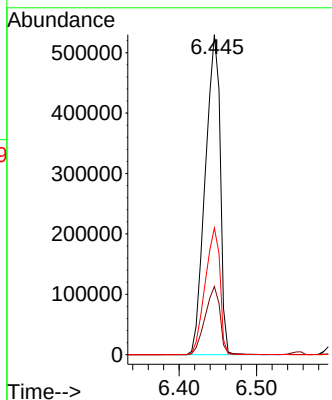
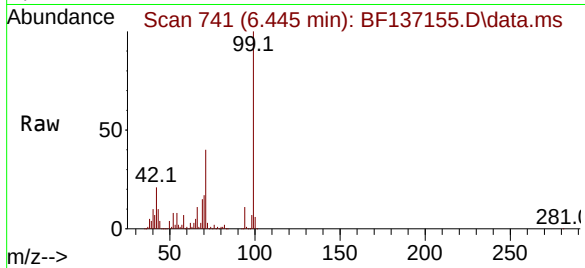




#7
Phenol-d6
Concen: 108.525 ng
RT: 6.445 min Scan# 741
Delta R.T. 0.000 min
Lab File: BF137155.D
Acq: 25 Jan 2024 19:02

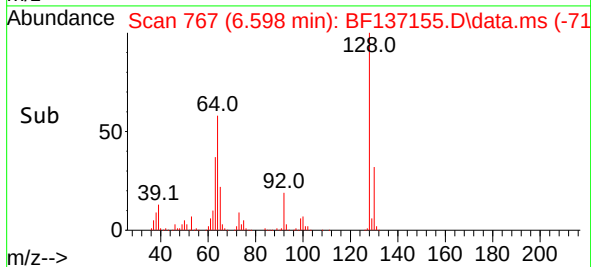
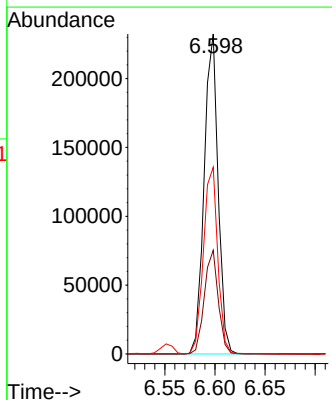
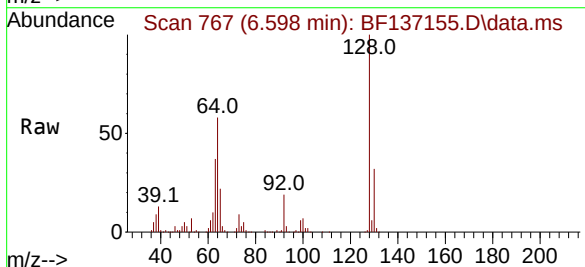
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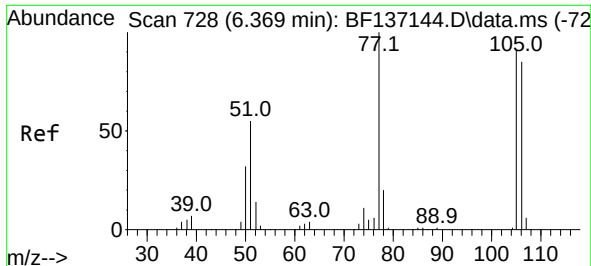
Tgt Ion: 99 Resp: 707458
Ion Ratio Lower Upper
99 100
42 21.3 17.5 26.3
71 39.6 31.2 46.8



#8
2-Chlorophenol
Concen: 44.425 ng
RT: 6.598 min Scan# 767
Delta R.T. 0.000 min
Lab File: BF137155.D
Acq: 25 Jan 2024 19:02

Tgt Ion: 128 Resp: 226079
Ion Ratio Lower Upper
128 100
130 32.4 14.1 54.1
64 58.3 40.6 80.6

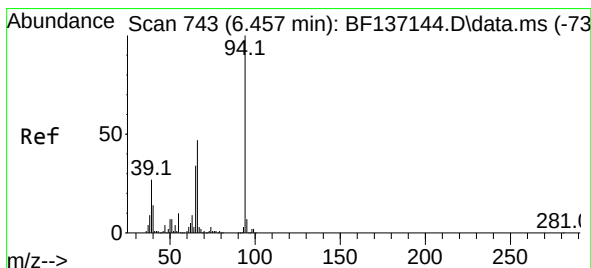
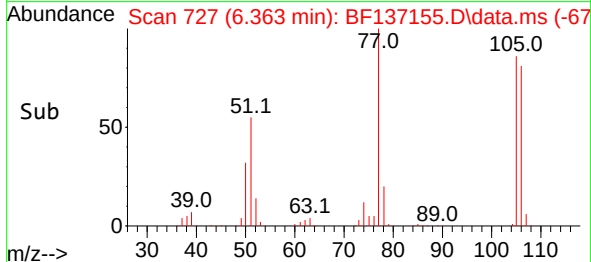
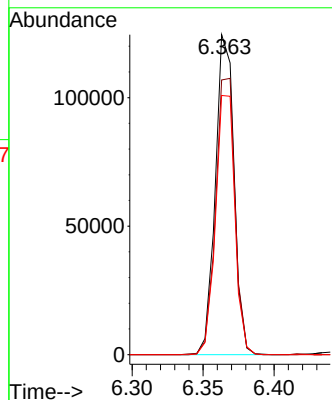
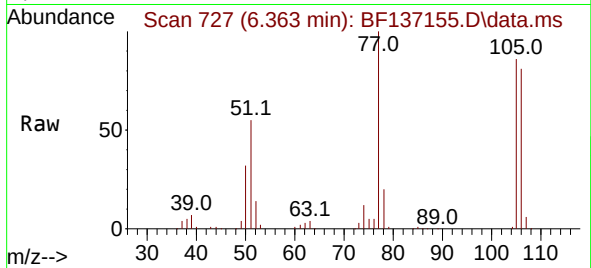




#9
Benzaldehyde
Concen: 33.173 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF137155.D
Acq: 25 Jan 2024 19:02

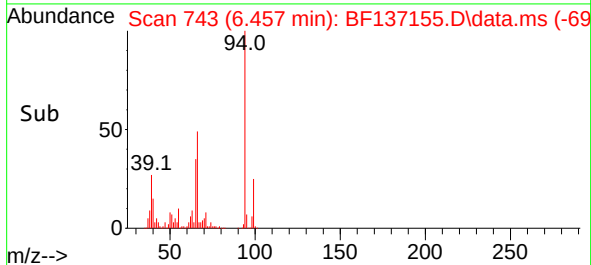
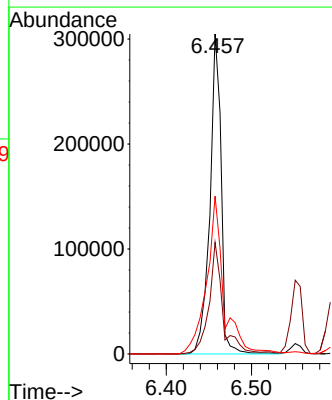
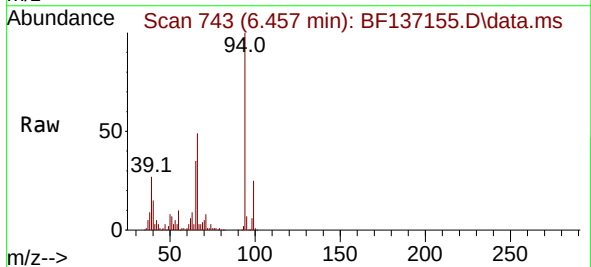
Instrument :
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ClientSampleId :
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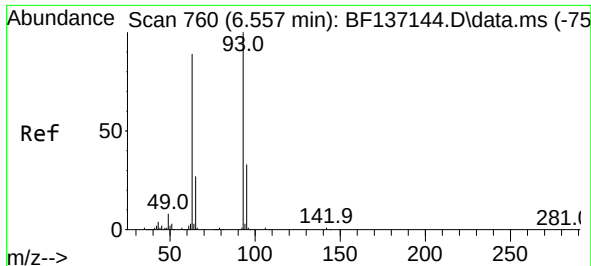
Tgt Ion:	77	Resp:	113444
Ion	Ratio	Lower	Upper
77	100		
105	85.9	70.9	110.9
106	81.0	65.0	105.0



#10
Phenol
Concen: 37.583 ng
RT: 6.457 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF137155.D
Acq: 25 Jan 2024 19:02

Tgt Ion:	94	Resp:	279893
Ion	Ratio	Lower	Upper
94	100		
65	34.9	14.1	54.1
66	49.3	26.9	66.9

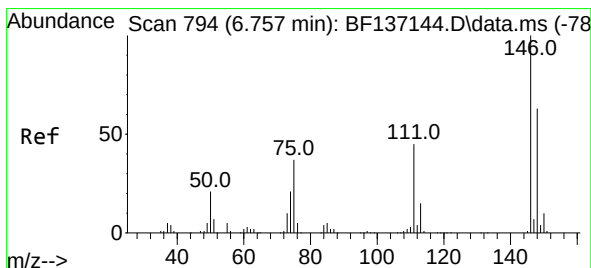
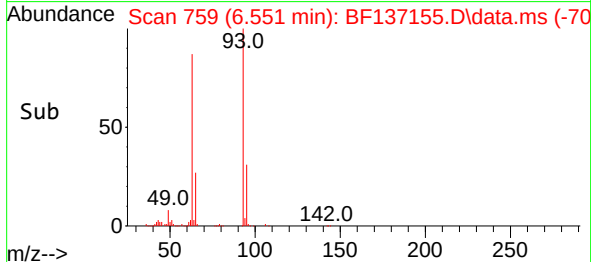
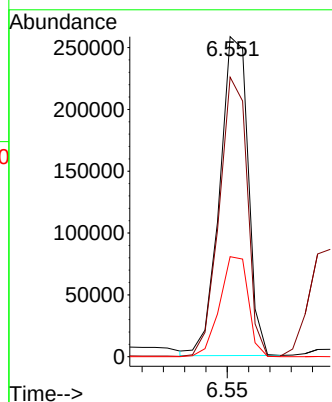
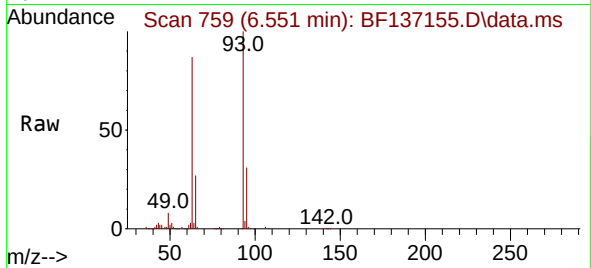




#11
bis(2-Chloroethyl)ether
Concen: 44.038 ng
RT: 6.551 min Scan# 760
Delta R.T. -0.006 min
Lab File: BF137155.D
Acq: 25 Jan 2024 19:02

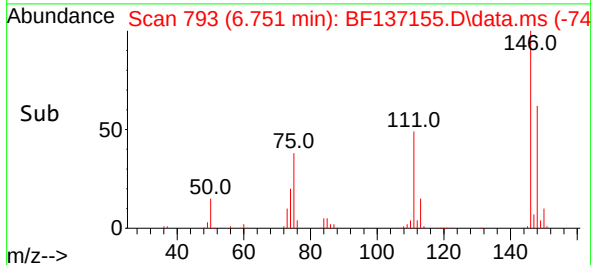
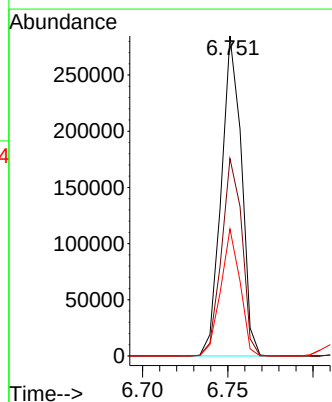
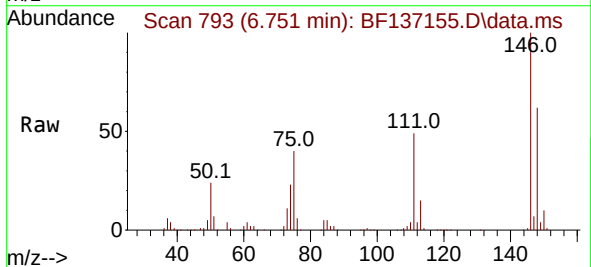
Instrument :
BNA_F
ClientSampleId :
72-11985MSD

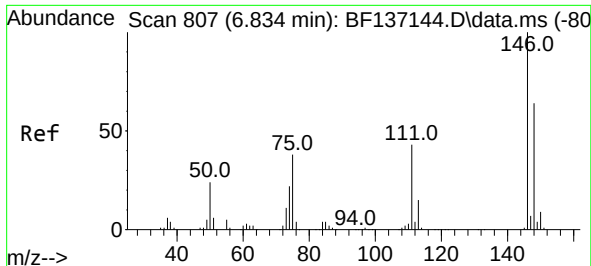
Tgt Ion: 93 Resp: 239100
Ion Ratio Lower Upper
93 100
63 87.4 69.3 109.3
95 31.2 12.9 52.9



#12
1,3-Dichlorobenzene
Concen: 40.258 ng
RT: 6.751 min Scan# 793
Delta R.T. -0.006 min
Lab File: BF137155.D
Acq: 25 Jan 2024 19:02

Tgt Ion: 146 Resp: 234030
Ion Ratio Lower Upper
146 100
148 61.7 50.5 75.7
75 39.7 29.4 44.2





#13

1,4-Dichlorobenzene

Concen: 40.927 ng

RT: 6.828 min Scan# 807

Delta R.T. -0.006 min

Lab File: BF137155.D

Acq: 25 Jan 2024 19:02

Instrument :

BNA_F

ClientSampleId :

72-11985MSD

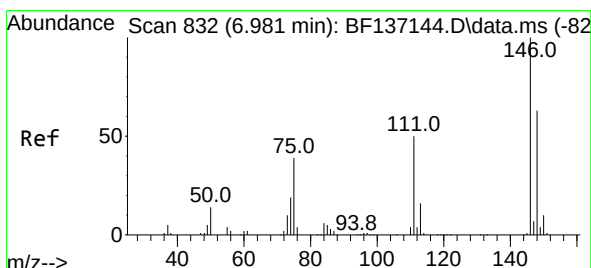
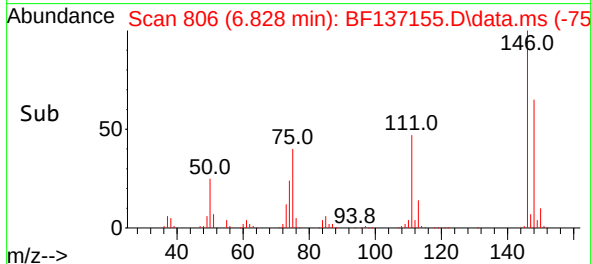
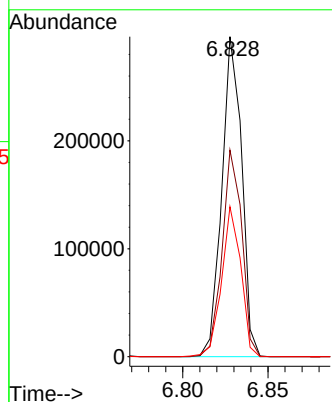
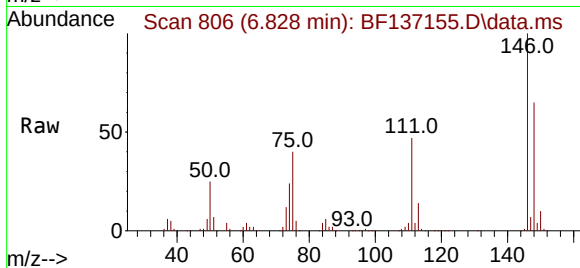
Tgt Ion:146 Resp: 240644

Ion Ratio Lower Upper

146 100

148 64.5 51.6 77.4

111 46.8 34.7 52.1



#14

1,2-Dichlorobenzene

Concen: 41.025 ng

RT: 6.981 min Scan# 832

Delta R.T. 0.000 min

Lab File: BF137155.D

Acq: 25 Jan 2024 19:02

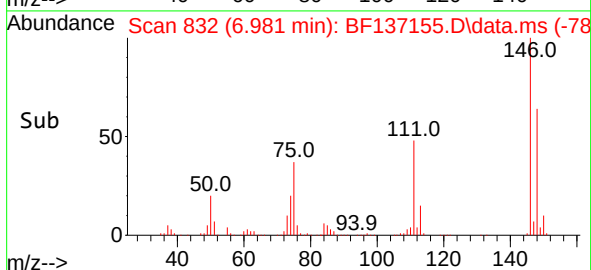
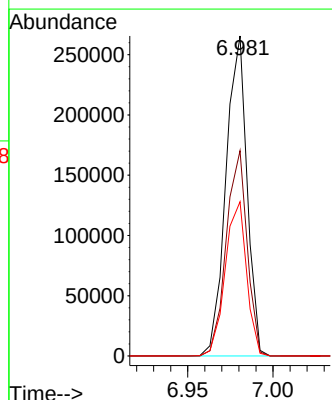
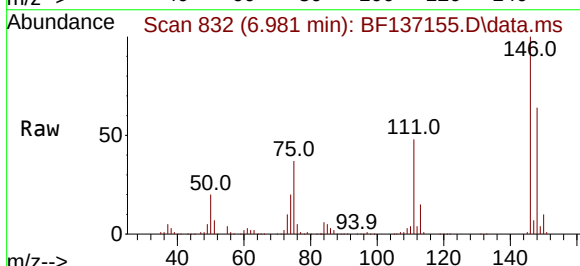
Tgt Ion:146 Resp: 227962

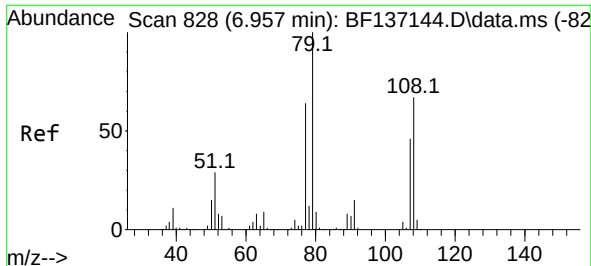
Ion Ratio Lower Upper

146 100

148 64.2 50.4 75.6

111 48.2 39.6 59.4

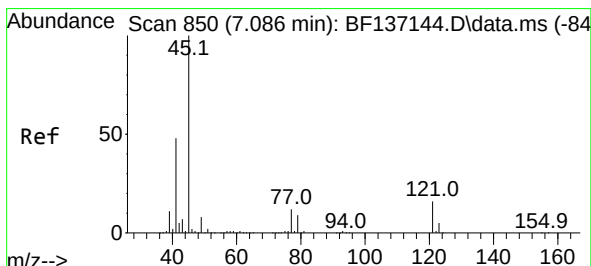
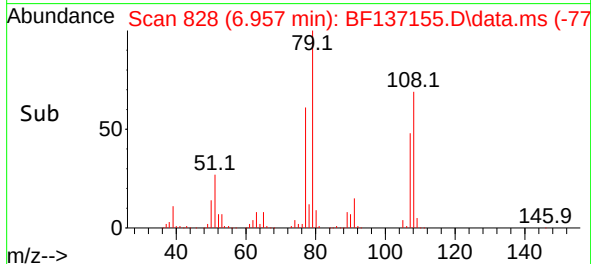
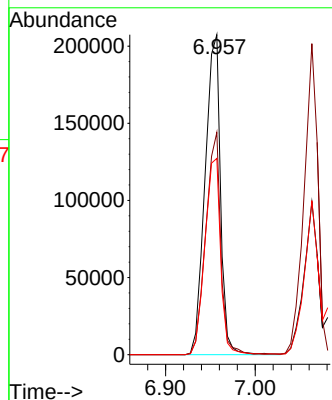
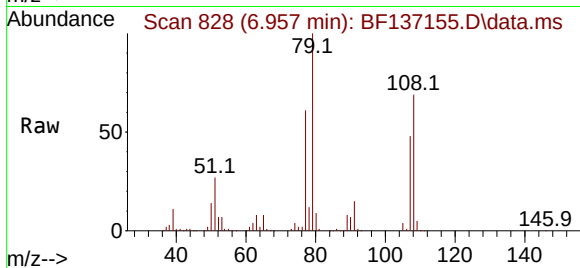




#15
Benzyl Alcohol
Concen: 46.799 ng
RT: 6.957 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF137155.D
Acq: 25 Jan 2024 19:02

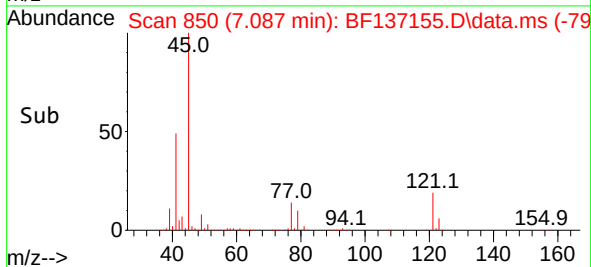
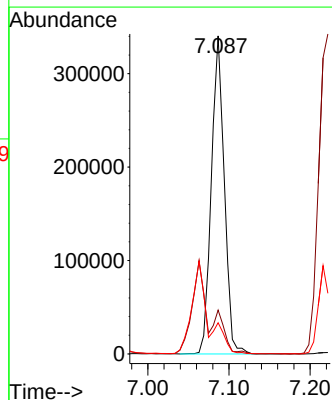
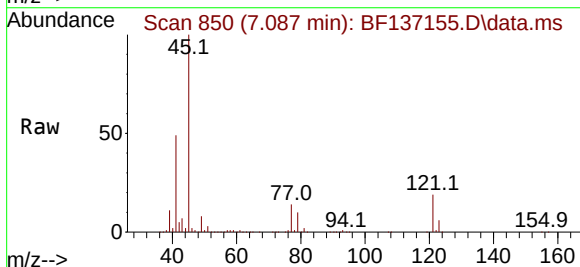
Instrument :
BNA_F
ClientSampleId :
72-11985MSD

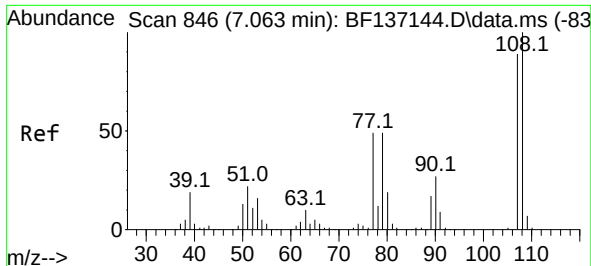
Tgt Ion: 79 Resp: 247327
Ion Ratio Lower Upper
79 100
108 69.5 53.3 79.9
77 61.4 51.1 76.7



#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.228 ng
RT: 7.087 min Scan# 850
Delta R.T. 0.000 min
Lab File: BF137155.D
Acq: 25 Jan 2024 19:02

Tgt Ion: 45 Resp: 375797
Ion Ratio Lower Upper
45 100
77 13.8 0.0 31.9
79 9.8 0.0 28.9

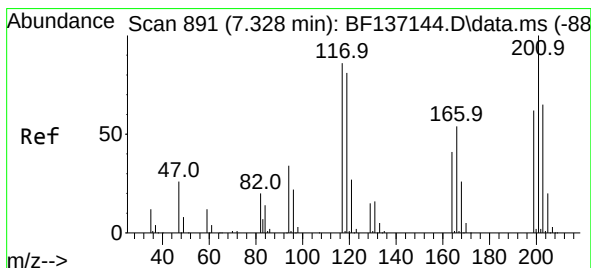
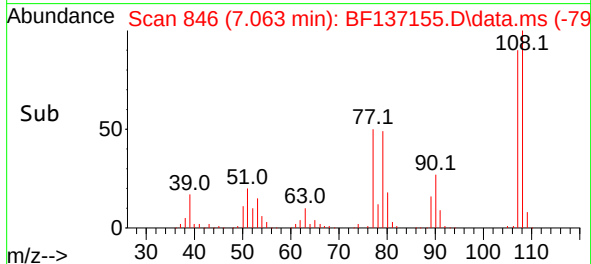
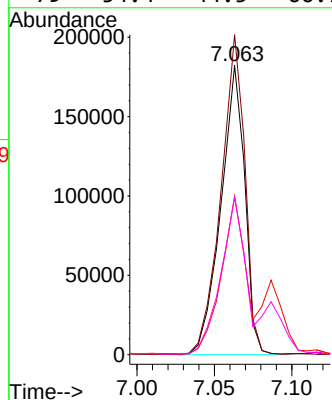
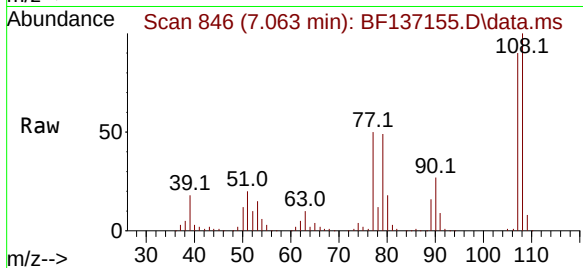




#17
2-Methylphenol
Concen: 44.692 ng
RT: 7.063 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF137155.D
Acq: 25 Jan 2024 19:02

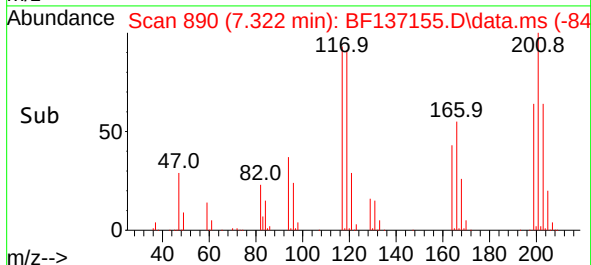
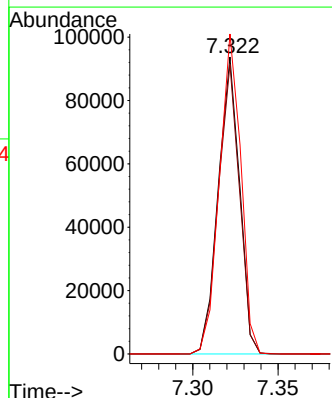
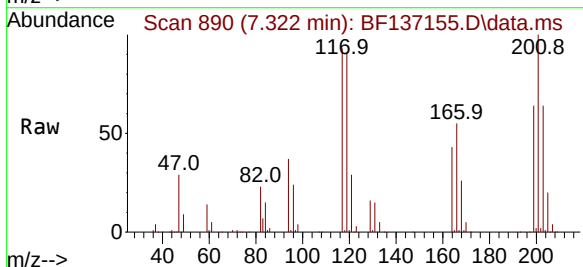
Instrument :
BNA_F
ClientSampleId :
72-11985MSD

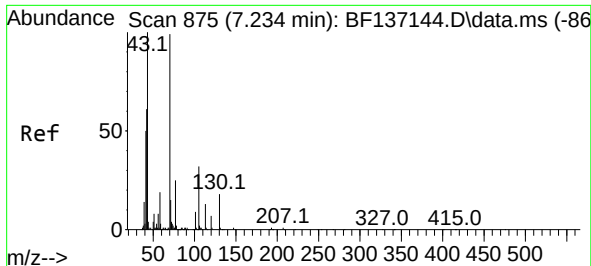
Tgt Ion:	107	Resp:	194907
Ion	Ratio	Lower	Upper
107	100		
108	110.6	89.8	134.6
77	54.8	44.2	66.4
79	54.4	44.5	66.7



#18
Hexachloroethane
Concen: 41.217 ng
RT: 7.322 min Scan# 890
Delta R.T. -0.006 min
Lab File: BF137155.D
Acq: 25 Jan 2024 19:02

Tgt Ion:	117	Resp:	81806
Ion	Ratio	Lower	Upper
117	100		
119	97.5	75.8	113.6
201	107.8	93.0	139.6

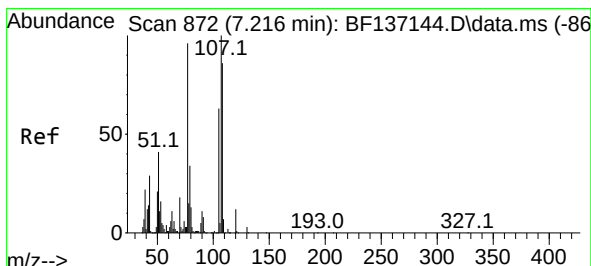
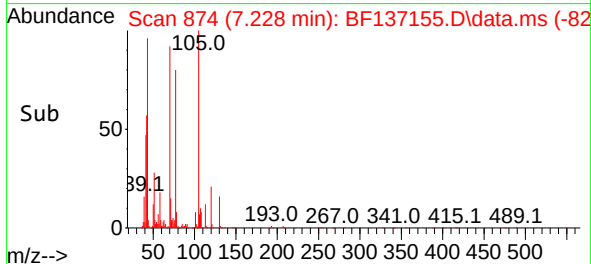
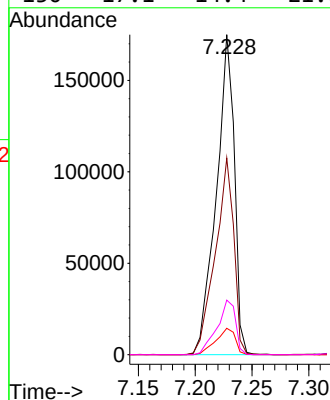
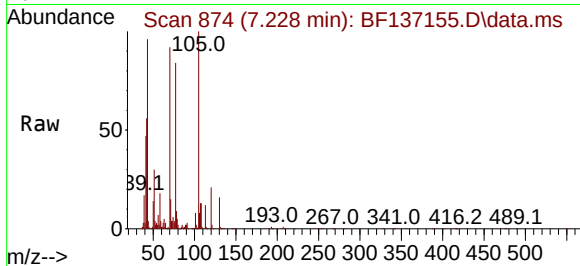




#19
n-Nitroso-di-n-propylamine
Concen: 43.964 ng
RT: 7.228 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF137155.D
Acq: 25 Jan 2024 19:02

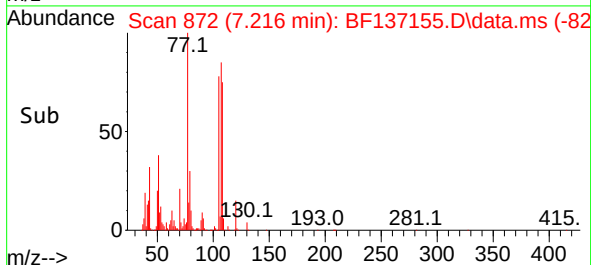
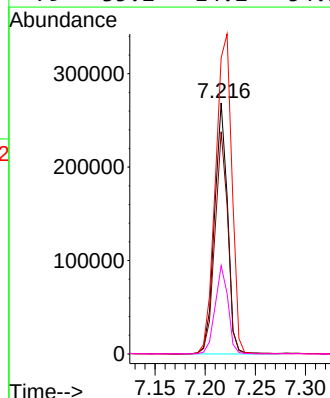
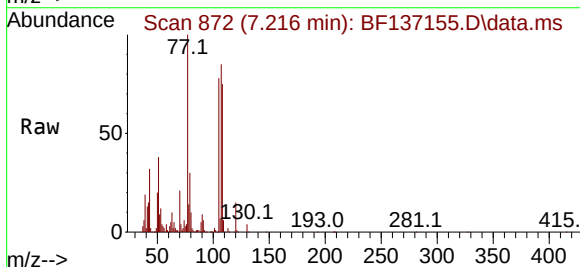
Instrument :
BNA_F
ClientSampleId :
72-11985MSD

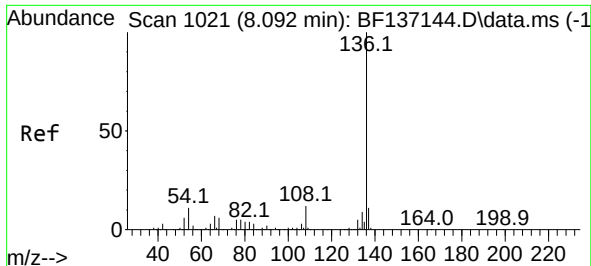
Tgt Ion: 70 Resp: 193901
Ion Ratio Lower Upper
70 100
42 61.5 49.3 73.9
101 8.2 7.4 11.0
130 17.1 14.4 21.6



#20
3+4-Methylphenols
Concen: 44.243 ng
RT: 7.216 min Scan# 872
Delta R.T. 0.000 min
Lab File: BF137155.D
Acq: 25 Jan 2024 19:02

Tgt Ion: 107 Resp: 243826
Ion Ratio Lower Upper
107 100
108 88.5 66.0 106.0
77 118.0 76.4 116.4#
79 35.2 14.2 54.2

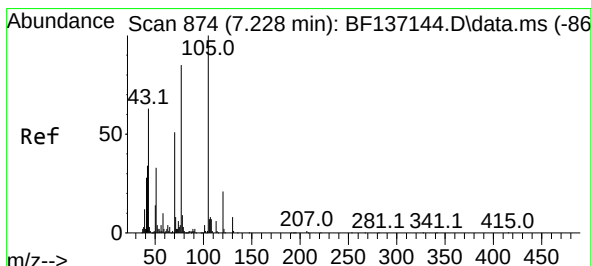
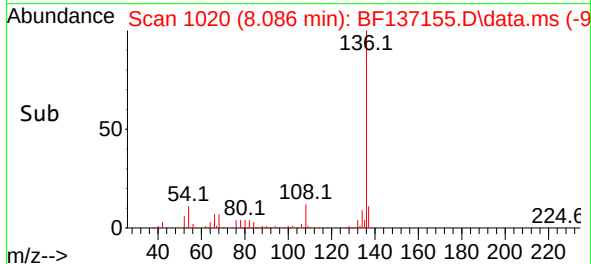
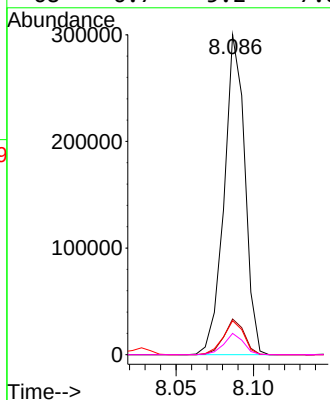
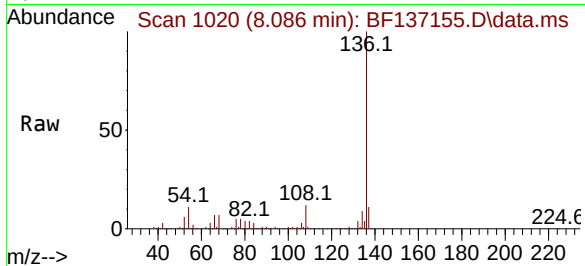




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.086 min Scan# 1020
Delta R.T. -0.006 min
Lab File: BF137155.D
Acq: 25 Jan 2024 19:02

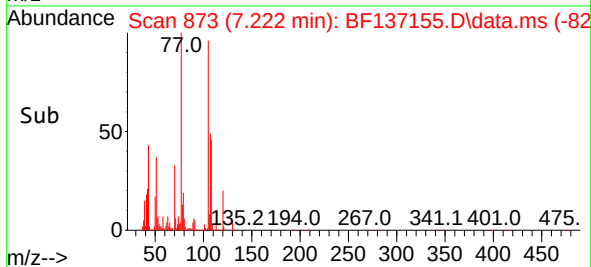
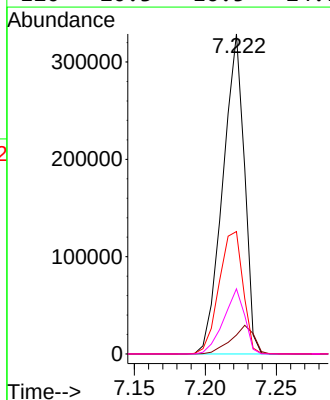
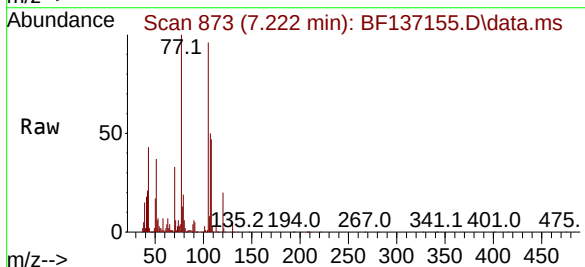
Instrument :
BNA_F
ClientSampleId :
72-11985MSD

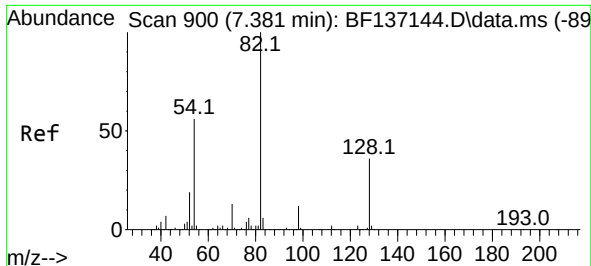
Tgt Ion:	136	Resp:	278306
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	10.6	8.8	13.2
68	6.7	5.2	7.8



#22
Acetophenone
Concen: 43.890 ng
RT: 7.222 min Scan# 873
Delta R.T. -0.006 min
Lab File: BF137155.D
Acq: 25 Jan 2024 19:02

Tgt Ion:	105	Resp:	347254
Ion	Ratio	Lower	Upper
105	100		
71	5.9	6.3	9.5#
51	38.2	26.1	39.1
120	20.3	16.5	24.7





#23

Nitrobenzene-d5

Concen: 87.282 ng

RT: 7.375 min Scan# 899

Delta R.T. -0.006 min

Lab File: BF137155.D

Acq: 25 Jan 2024 19:02

Instrument :

BNA_F

ClientSampleId :

72-11985MSD

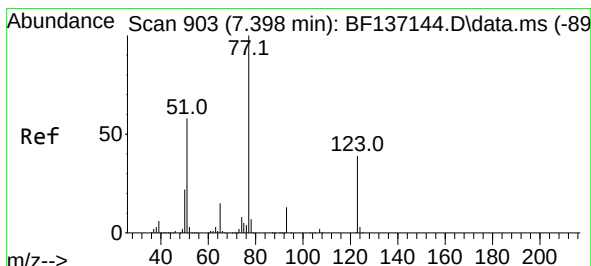
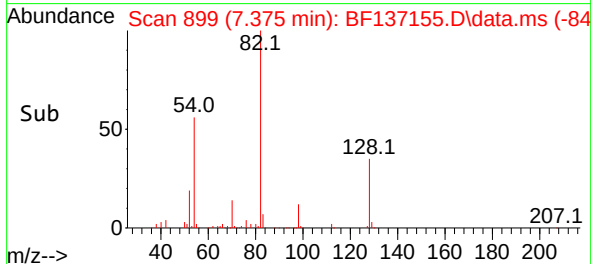
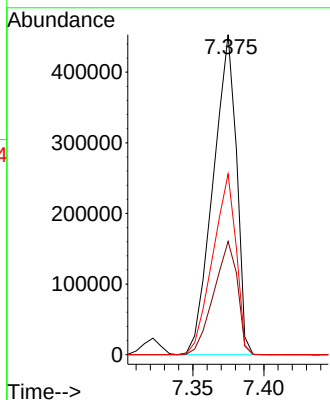
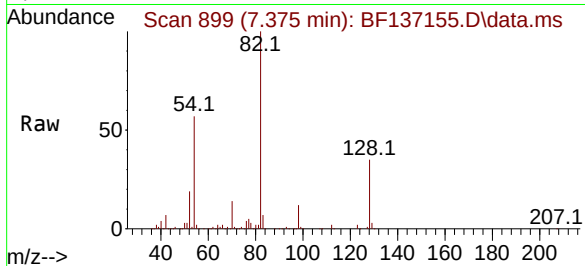
Tgt Ion: 82 Resp: 518176

Ion Ratio Lower Upper

82 100

128 35.4 29.0 43.6

54 56.5 44.6 67.0



#24

Nitrobenzene

Concen: 47.302 ng

RT: 7.392 min Scan# 902

Delta R.T. -0.006 min

Lab File: BF137155.D

Acq: 25 Jan 2024 19:02

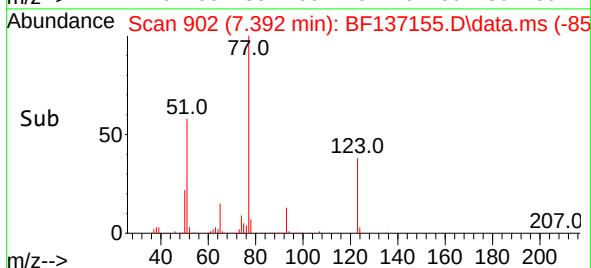
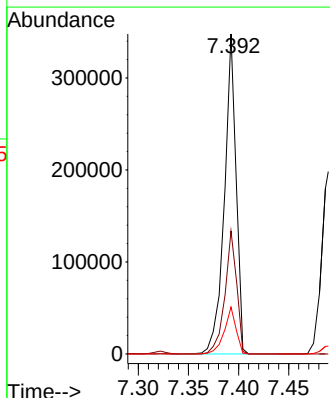
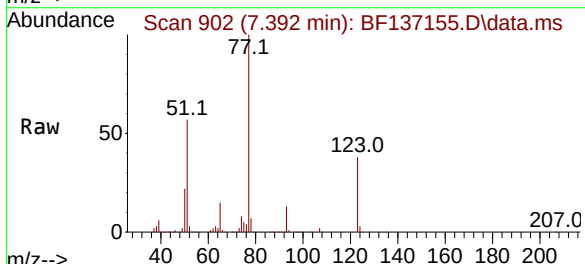
Tgt Ion: 77 Resp: 282390

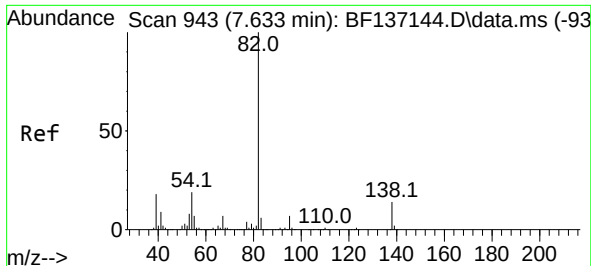
Ion Ratio Lower Upper

77 100

123 38.4 31.6 47.4

65 14.7 11.6 17.4

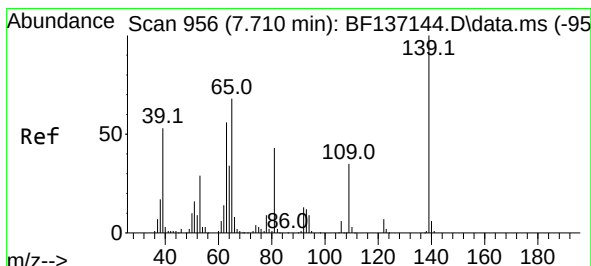
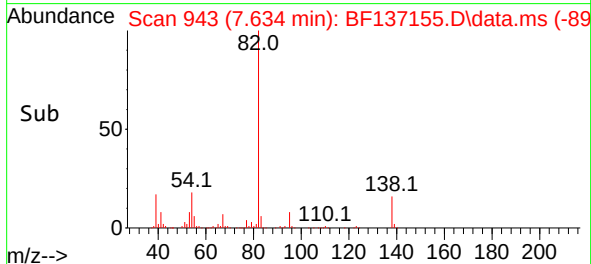
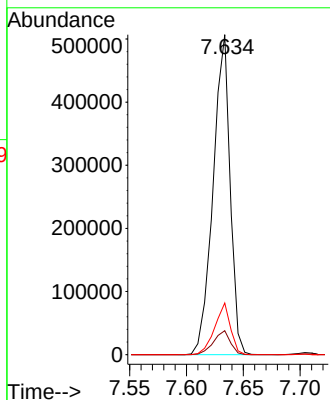
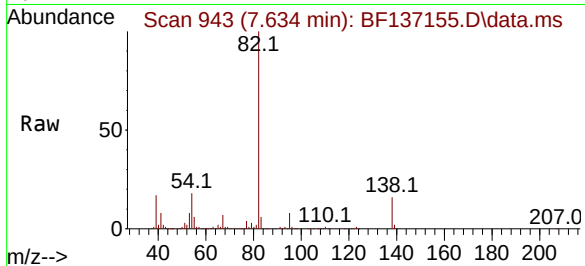




#25
Isophorone
Concen: 45.060 ng
RT: 7.634 min Scan# 943
Delta R.T. 0.001 min
Lab File: BF137155.D
Acq: 25 Jan 2024 19:02

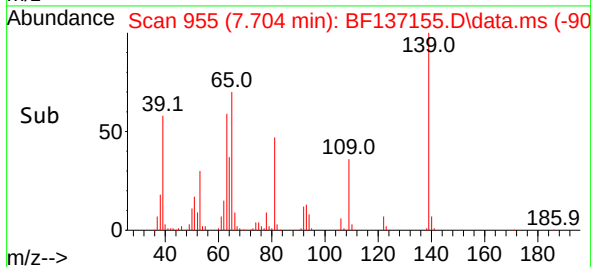
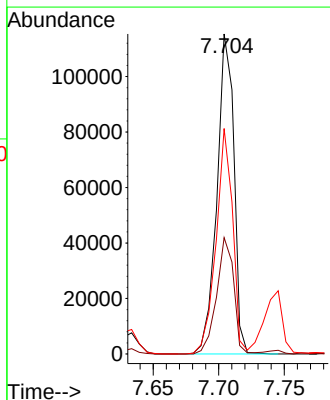
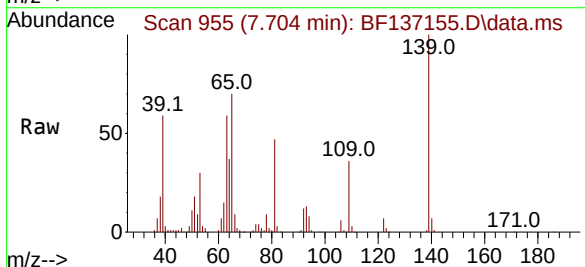
Instrument :
BNA_F
ClientSampleId :
72-11985MSD

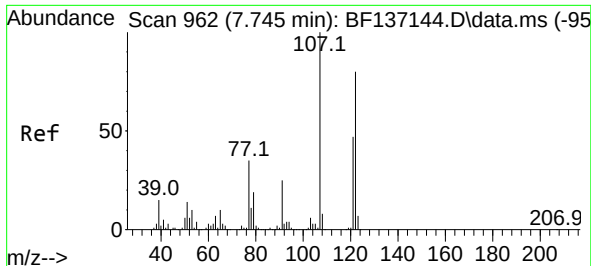
Tgt Ion: 82 Resp: 528229
Ion Ratio Lower Upper
82 100
95 7.5 5.7 8.5
138 16.1 11.5 17.3



#26
2-Nitrophenol
Concen: 50.282 ng
RT: 7.704 min Scan# 955
Delta R.T. -0.006 min
Lab File: BF137155.D
Acq: 25 Jan 2024 19:02

Tgt Ion: 139 Resp: 103514
Ion Ratio Lower Upper
139 100
109 36.3 27.8 41.8
65 70.5 54.6 82.0





#27

2,4-Dimethylphenol

Concen: 48.314 ng

RT: 7.745 min Scan# 962

Delta R.T. 0.000 min

Lab File: BF137155.D

Acq: 25 Jan 2024 19:02

Instrument :

BNA_F

ClientSampleId :

72-11985MSD

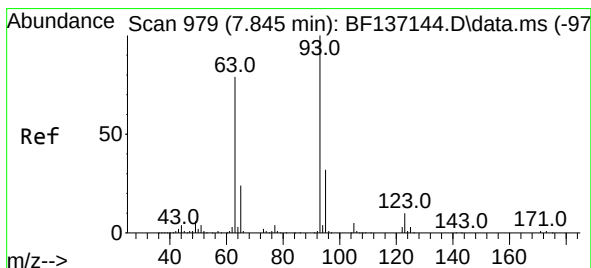
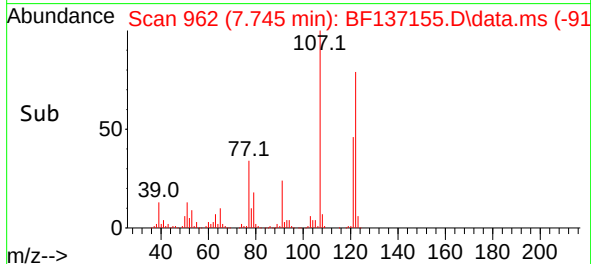
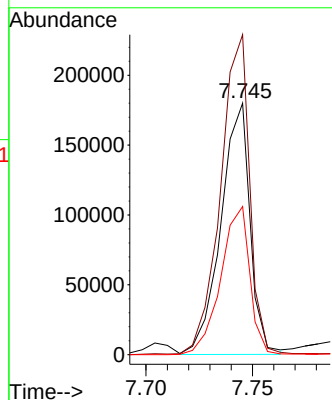
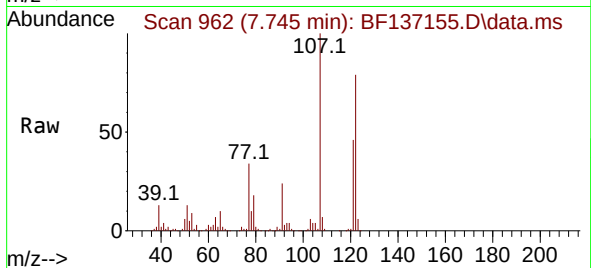
Tgt Ion:122 Resp: 171257

Ion Ratio Lower Upper

122 100

107 127.2 100.2 150.2

121 58.9 47.2 70.8



#28

bis(2-Chloroethoxy)methane

Concen: 44.709 ng

RT: 7.845 min Scan# 979

Delta R.T. 0.000 min

Lab File: BF137155.D

Acq: 25 Jan 2024 19:02

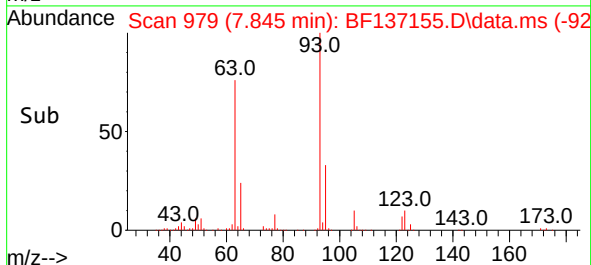
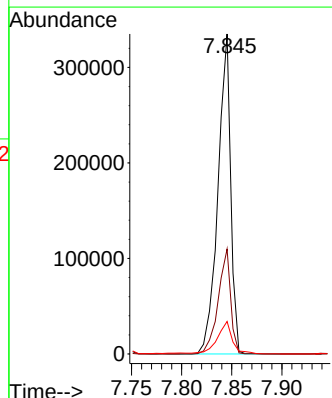
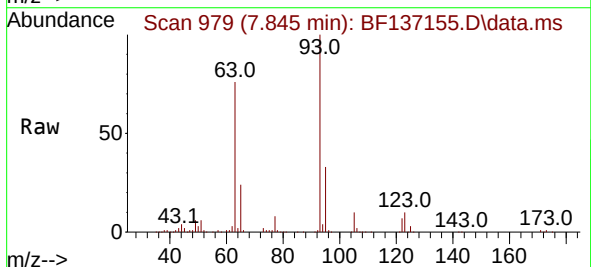
Tgt Ion: 93 Resp: 295297

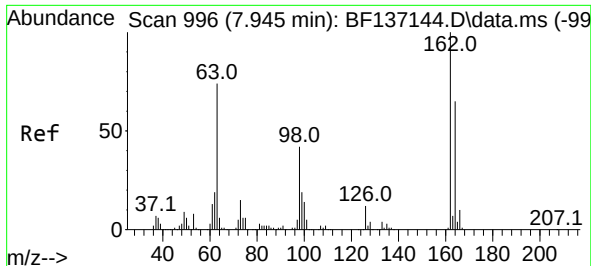
Ion Ratio Lower Upper

93 100

95 32.8 25.9 38.9

123 10.2 7.9 11.9





#29

2,4-Dichlorophenol

Concen: 46.418 ng

RT: 7.945 min Scan# 996

Delta R.T. 0.000 min

Lab File: BF137155.D

Acq: 25 Jan 2024 19:02

Instrument :

BNA_F

ClientSampleId :

72-11985MSD

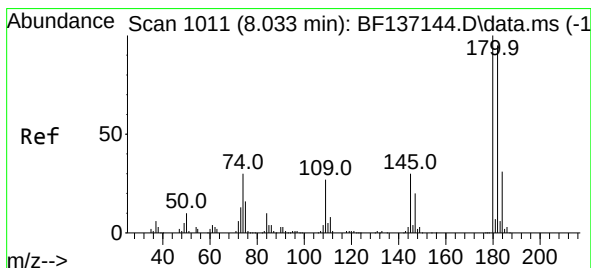
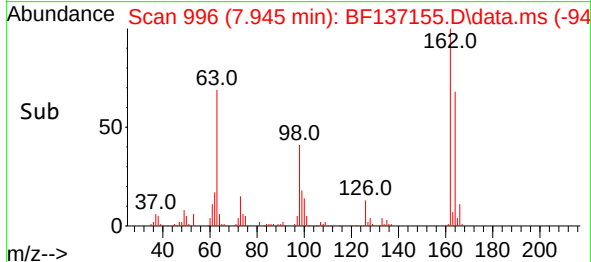
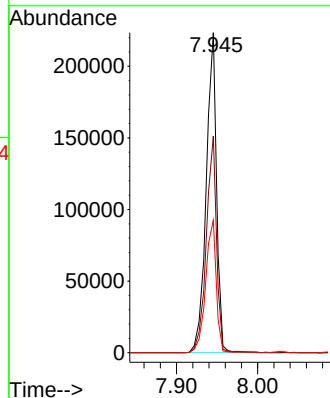
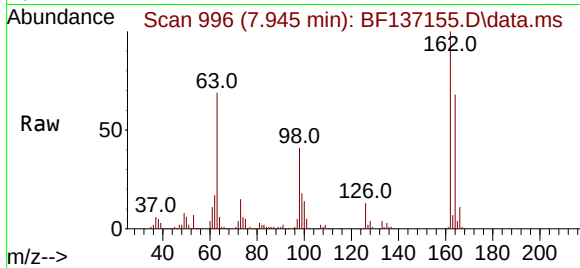
Tgt Ion:162 Resp: 197782

Ion Ratio Lower Upper

162 100

164 67.7 44.9 84.9

98 41.3 22.4 62.4



#30

1,2,4-Trichlorobenzene

Concen: 42.947 ng

RT: 8.028 min Scan# 1010

Delta R.T. -0.006 min

Lab File: BF137155.D

Acq: 25 Jan 2024 19:02

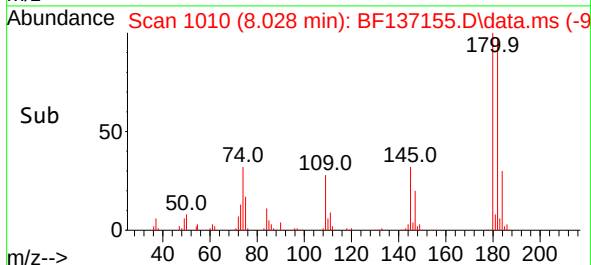
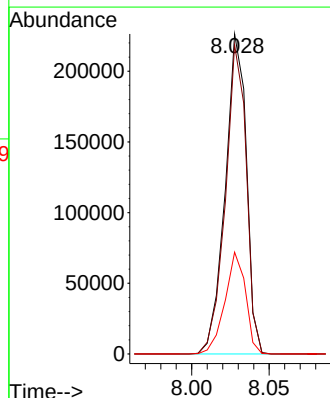
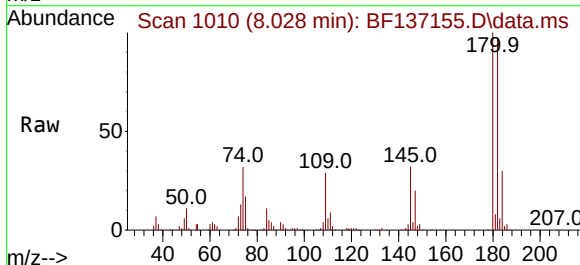
Tgt Ion:180 Resp: 215477

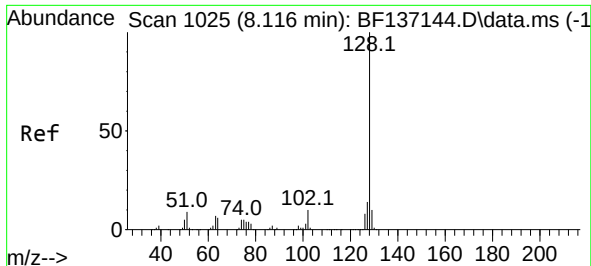
Ion Ratio Lower Upper

180 100

182 96.6 76.2 114.4

145 31.8 24.4 36.6

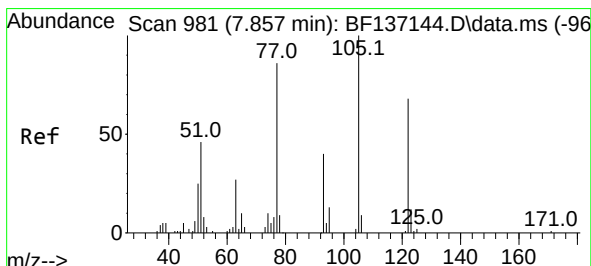
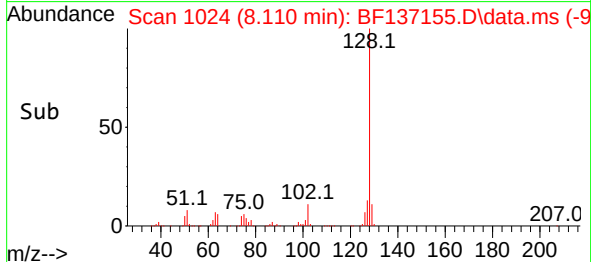
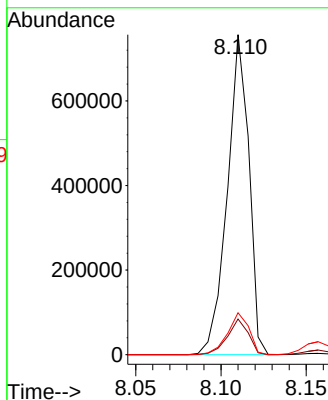
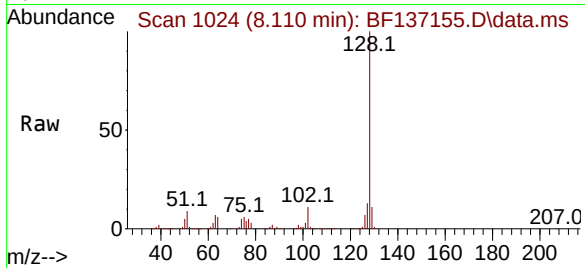




#31
Naphthalene
Concen: 44.316 ng
RT: 8.110 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF137155.D
Acq: 25 Jan 2024 19:02

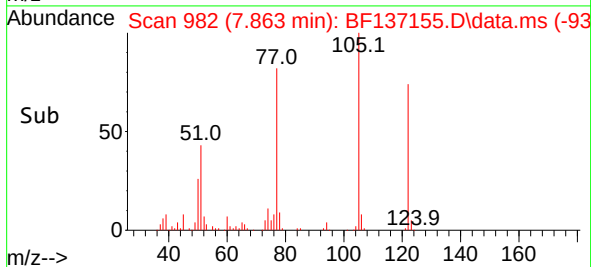
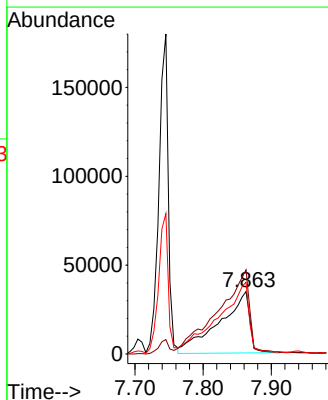
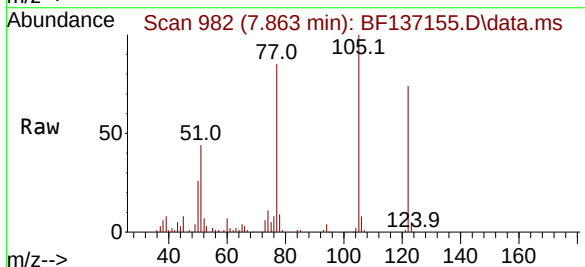
Instrument :
BNA_F
ClientSampleId :
72-11985MSD

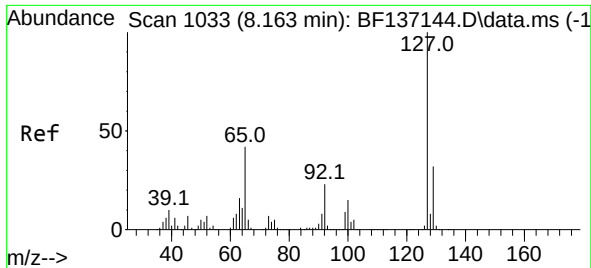
Tgt Ion:128 Resp: 665992
Ion Ratio Lower Upper
128 100
129 11.2 8.4 12.6
127 13.1 10.8 16.2



#32
Benzoic acid
Concen: 46.166 ng
RT: 7.863 min Scan# 982
Delta R.T. 0.006 min
Lab File: BF137155.D
Acq: 25 Jan 2024 19:02

Tgt Ion:122 Resp: 106694
Ion Ratio Lower Upper
122 100
105 135.1 123.2 163.2
77 115.2 107.6 147.6

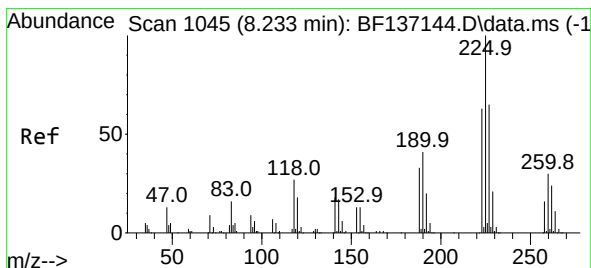
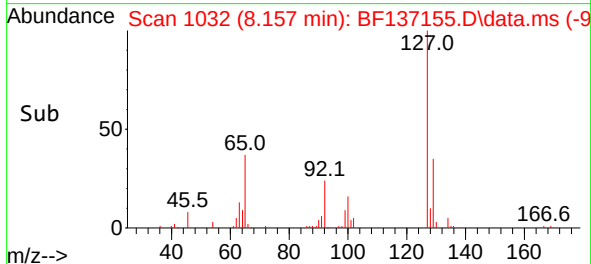
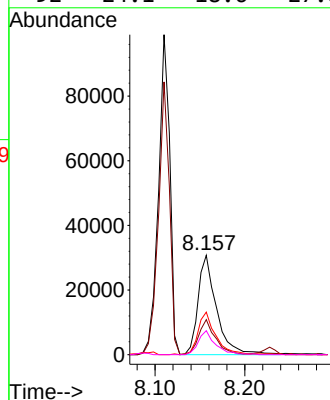
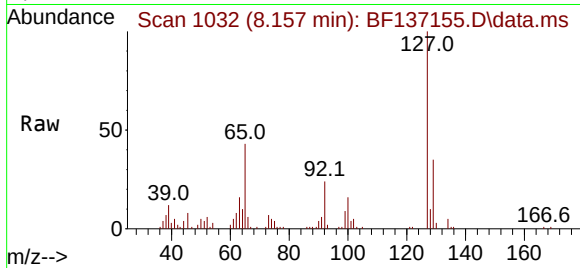




#33
4-Chloroaniline
Concen: 7.777 ng
RT: 8.157 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF137155.D
Acq: 25 Jan 2024 19:02

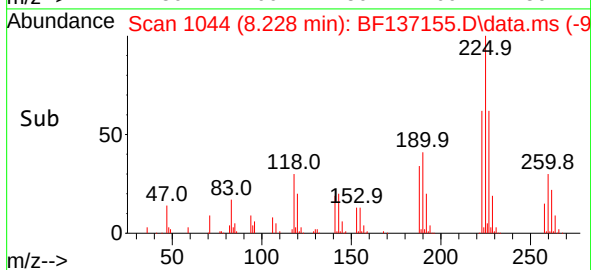
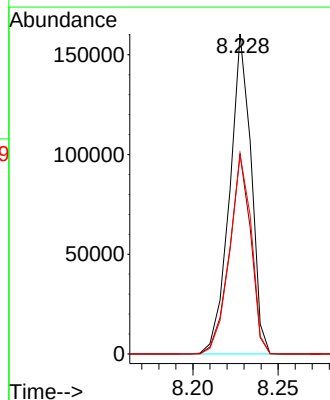
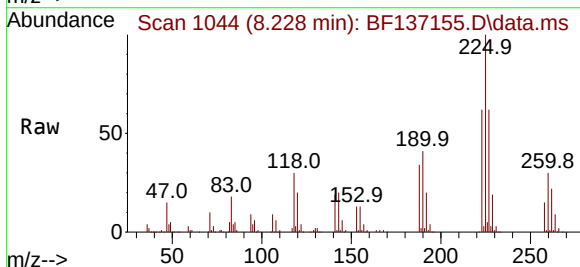
Instrument :
BNA_F
ClientSampleId :
72-11985MSD

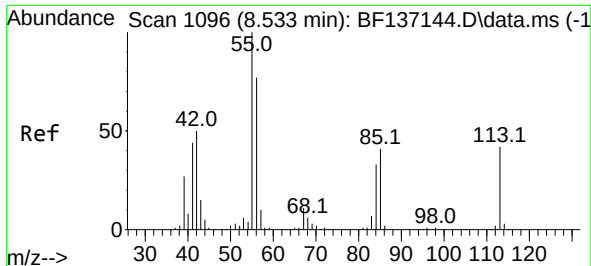
Tgt Ion:	127	Resp:	44122
Ion	Ratio	Lower	Upper
127	100		
129	35.3	25.6	38.4
65	42.7	33.8	50.6
92	24.1	18.6	27.8



#34
Hexachlorobutadiene
Concen: 42.256 ng
RT: 8.228 min Scan# 1044
Delta R.T. -0.006 min
Lab File: BF137155.D
Acq: 25 Jan 2024 19:02

Tgt Ion:	225	Resp:	140331
Ion	Ratio	Lower	Upper
225	100		
223	62.5	50.7	76.1
227	62.3	52.0	78.0

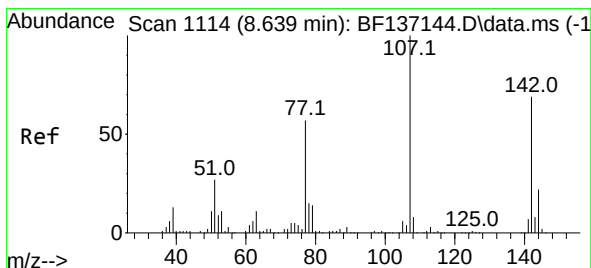
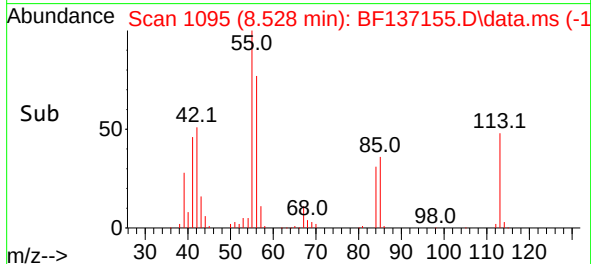
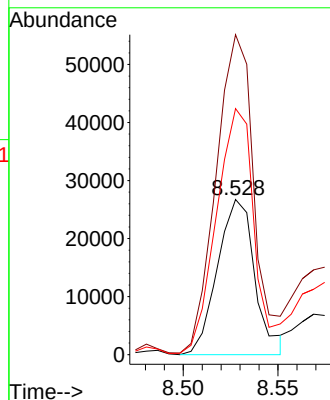
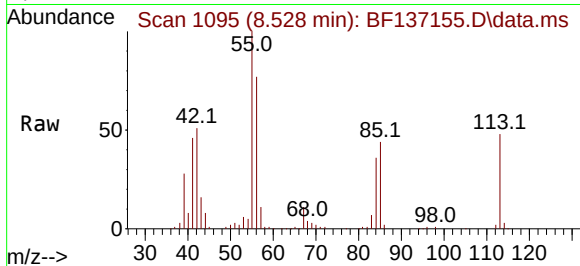




#35
 Caprolactam
 Concen: 28.546 ng
 RT: 8.528 min Scan# 1095
 Delta R.T. -0.006 min
 Lab File: BF137155.D
 Acq: 25 Jan 2024 19:02

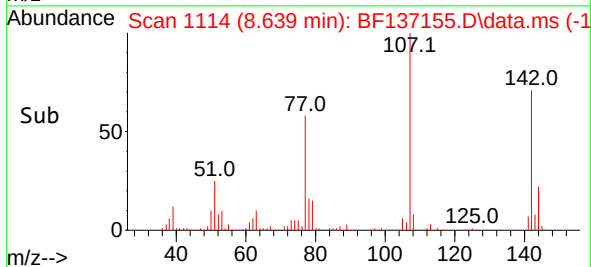
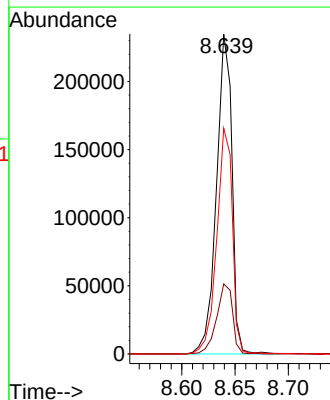
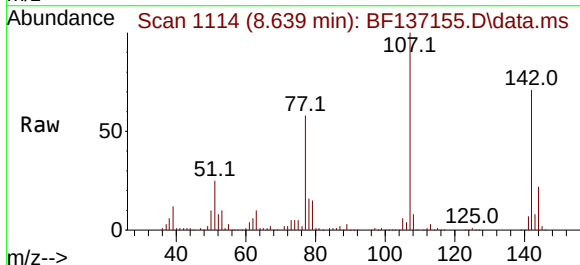
Instrument :
 BNA_F
 ClientSampleId :
 72-11985MSD

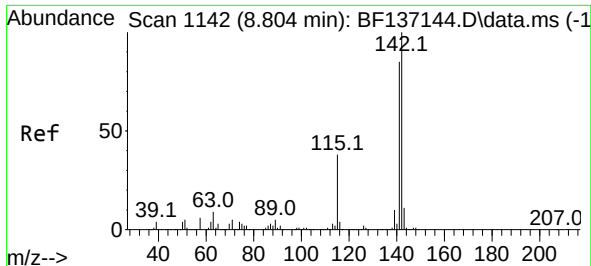
Tgt Ion:113 Resp: 36695
 Ion Ratio Lower Upper
 113 100
 55 206.2 215.7 255.7#
 56 158.6 160.8 200.8#



#36
 4-Chloro-3-methylphenol
 Concen: 48.707 ng
 RT: 8.639 min Scan# 1114
 Delta R.T. 0.000 min
 Lab File: BF137155.D
 Acq: 25 Jan 2024 19:02

Tgt Ion:107 Resp: 236396
 Ion Ratio Lower Upper
 107 100
 144 21.9 17.8 26.6
 142 70.6 54.8 82.2





#37

2-Methylnaphthalene

Concen: 45.514 ng

RT: 8.804 min Scan# 1142

Delta R.T. 0.000 min

Lab File: BF137155.D

Acq: 25 Jan 2024 19:02

Instrument :

BNA_F

ClientSampleId :

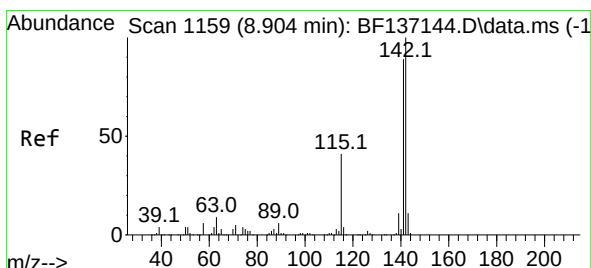
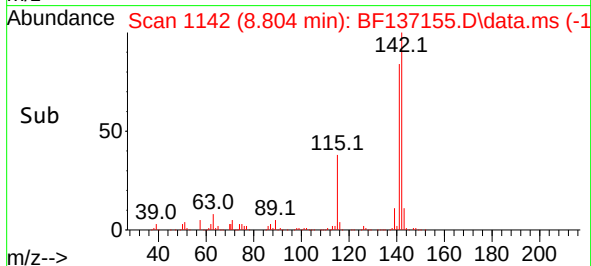
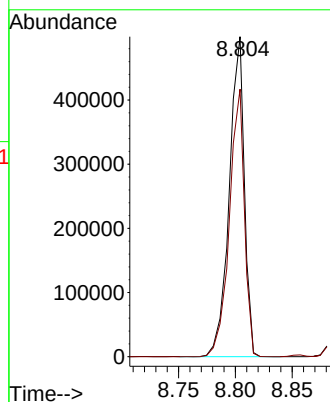
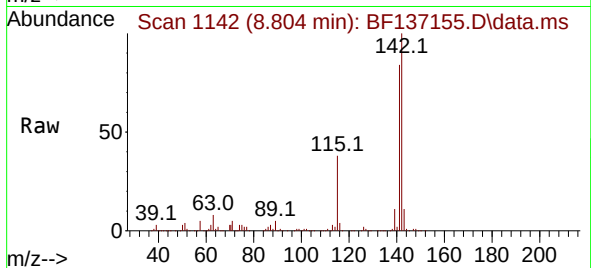
72-11985MSD

Tgt Ion:142 Resp: 460661

Ion Ratio Lower Upper

142 100

141 83.6 67.8 101.6



#38

1-Methylnaphthalene

Concen: 46.096 ng

RT: 8.904 min Scan# 1159

Delta R.T. 0.000 min

Lab File: BF137155.D

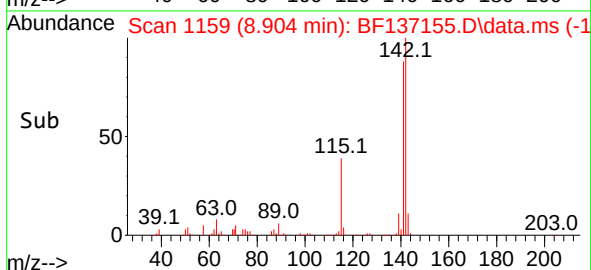
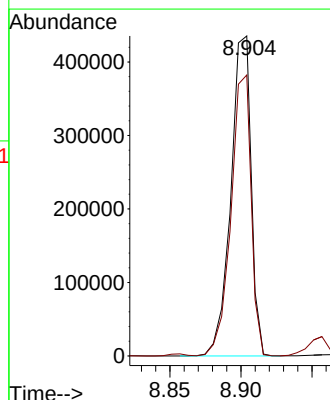
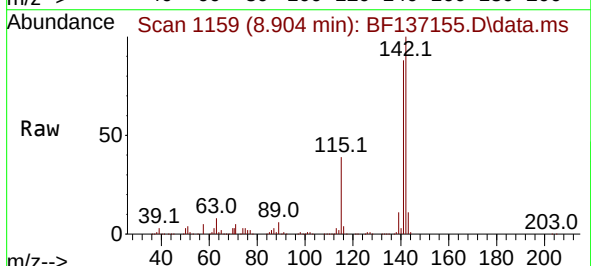
Acq: 25 Jan 2024 19:02

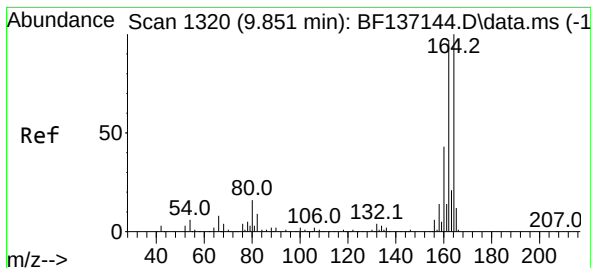
Tgt Ion:142 Resp: 433490

Ion Ratio Lower Upper

142 100

141 87.8 71.0 106.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.845 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF137155.D

Acq: 25 Jan 2024 19:02

Instrument :

BNA_F

ClientSampleId :

72-11985MSD

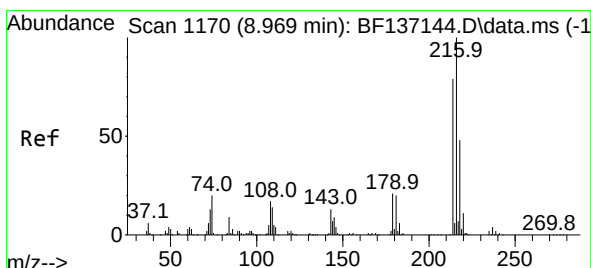
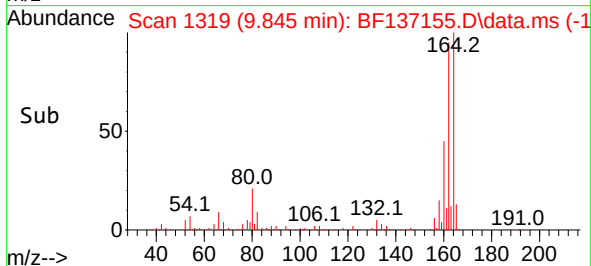
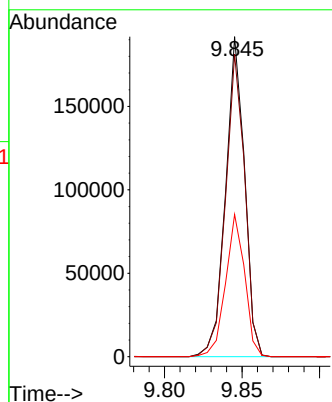
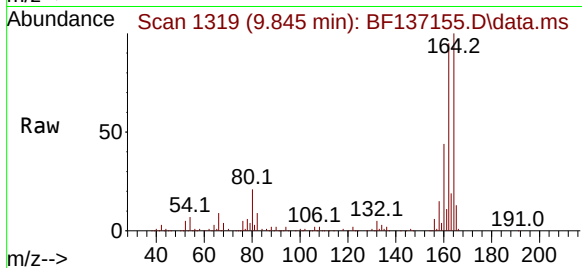
Tgt Ion:164 Resp: 163116

Ion Ratio Lower Upper

164 100

162 94.5 77.5 116.3

160 44.4 34.7 52.1



#40

1,2,4,5-Tetrachlorobenzene

Concen: 43.035 ng

RT: 8.969 min Scan# 1170

Delta R.T. 0.000 min

Lab File: BF137155.D

Acq: 25 Jan 2024 19:02

Tgt Ion:216 Resp: 238619

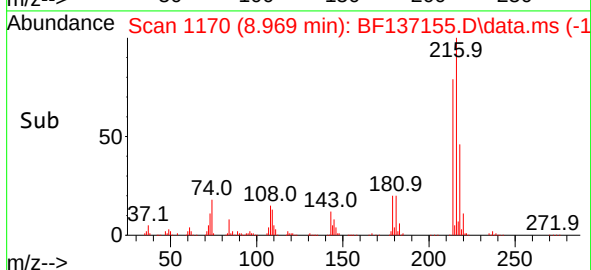
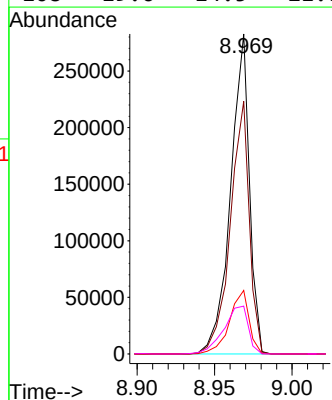
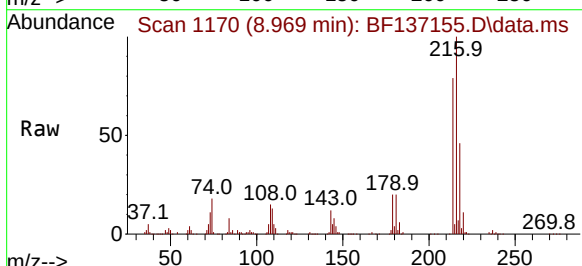
Ion Ratio Lower Upper

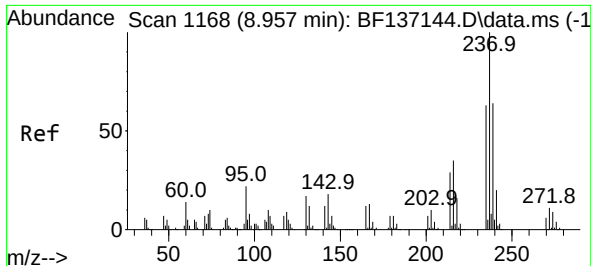
216 100

214 79.7 63.1 94.7

179 20.7 16.2 24.4

108 19.6 14.5 21.7

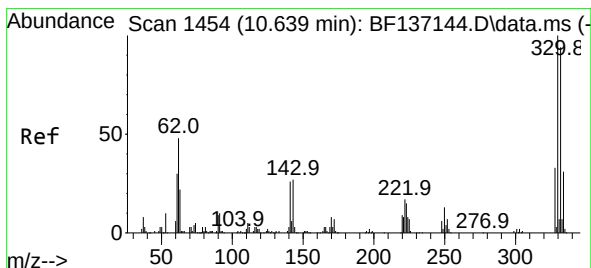
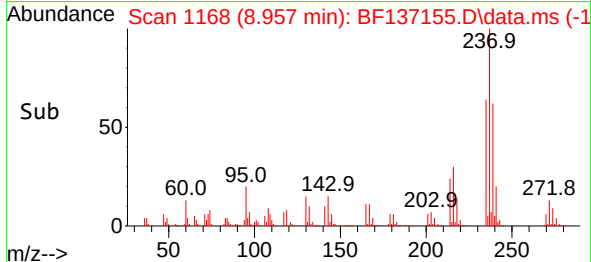
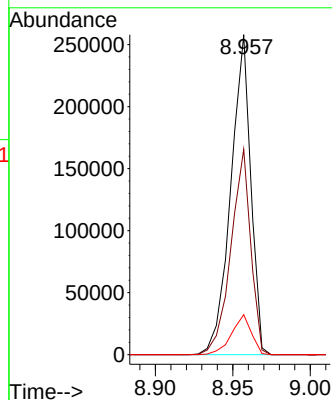
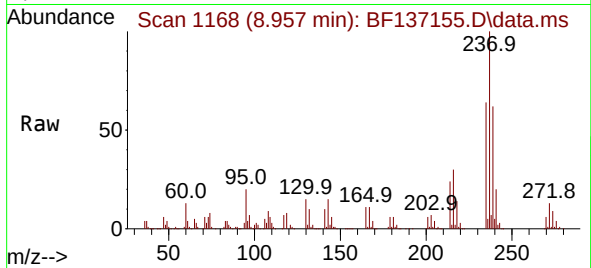




#41
Hexachlorocyclopentadiene
Concen: 102.793 ng
RT: 8.957 min Scan# 1168
Delta R.T. 0.000 min
Lab File: BF137155.D
Acq: 25 Jan 2024 19:02

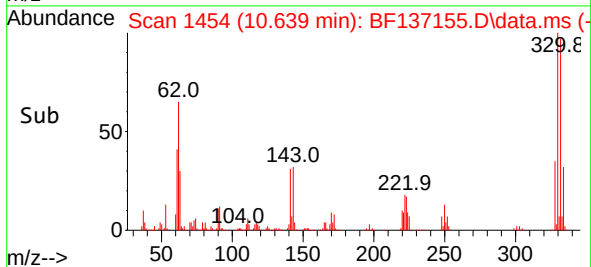
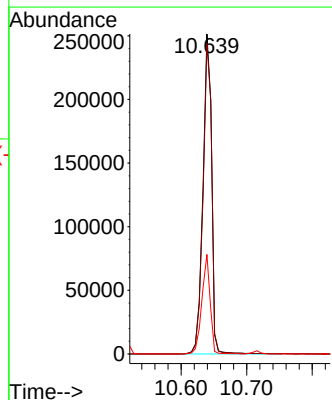
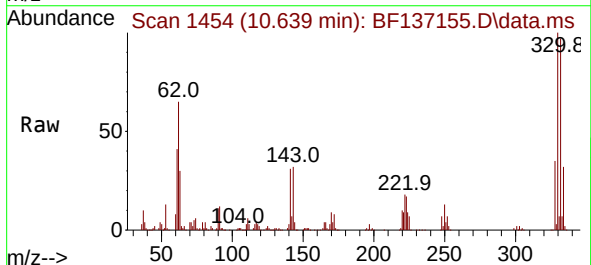
Instrument :
BNA_F
ClientSampleId :
72-11985MSD

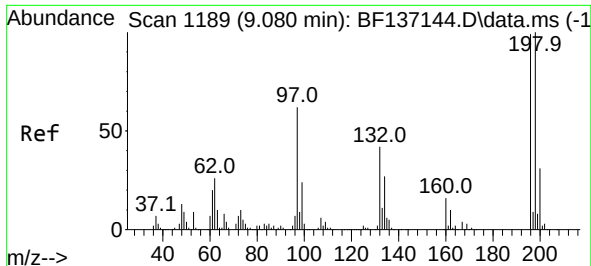
Tgt Ion:237 Resp: 231702
Ion Ratio Lower Upper
237 100
235 64.2 42.9 82.9
272 12.5 0.0 31.3



#42
2,4,6-Tribromophenol
Concen: 135.368 ng
RT: 10.639 min Scan# 1454
Delta R.T. 0.000 min
Lab File: BF137155.D
Acq: 25 Jan 2024 19:02

Tgt Ion:330 Resp: 232275
Ion Ratio Lower Upper
330 100
332 97.4 75.4 113.0
141 29.6 24.8 37.2





#43

2,4,6-Trichlorophenol

Concen: 48.202 ng

RT: 9.081 min Scan# 1189

Delta R.T. 0.000 min

Lab File: BF137155.D

Acq: 25 Jan 2024 19:02

Instrument :

BNA_F

ClientSampleId :

72-11985MSD

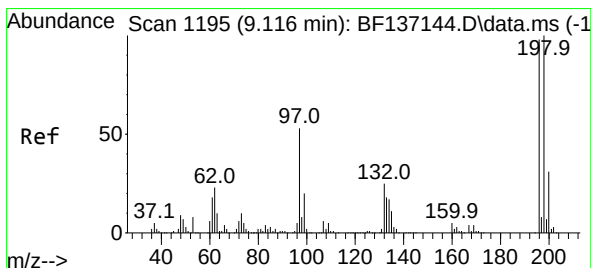
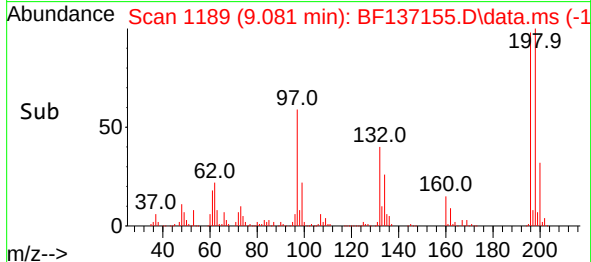
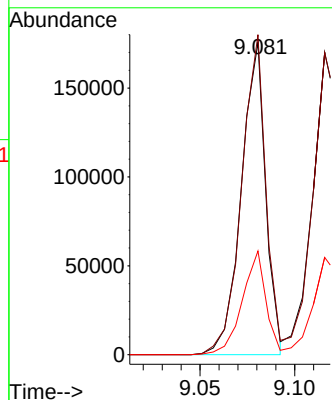
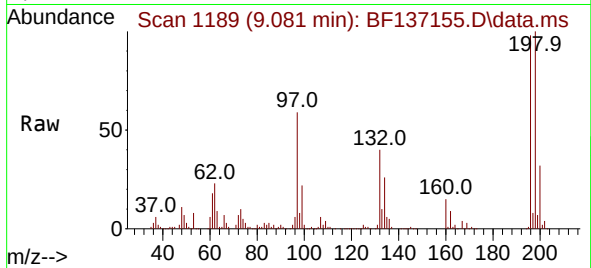
Tgt Ion:196 Resp: 157172

Ion Ratio Lower Upper

196 100

198 102.5 80.6 121.0

200 33.2 25.0 37.6



#44

2,4,5-Trichlorophenol

Concen: 48.239 ng

RT: 9.116 min Scan# 1195

Delta R.T. 0.000 min

Lab File: BF137155.D

Acq: 25 Jan 2024 19:02

Tgt Ion:196 Resp: 168809

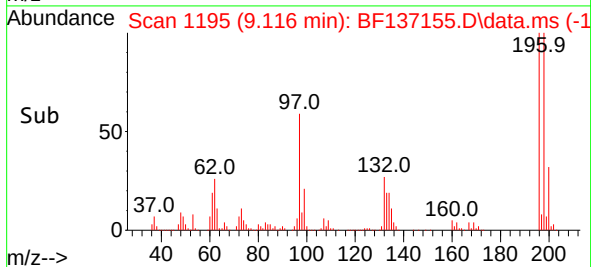
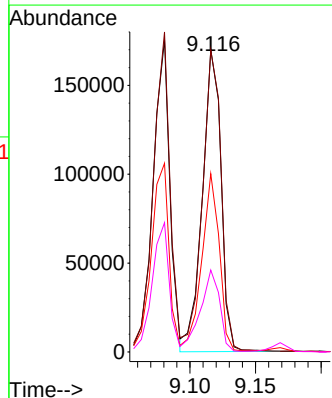
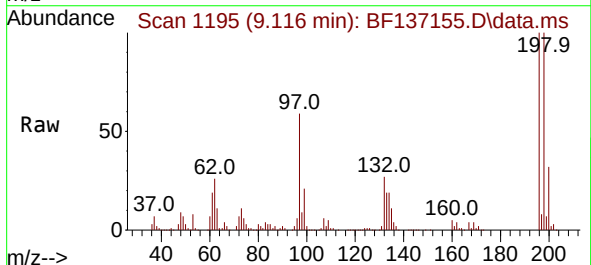
Ion Ratio Lower Upper

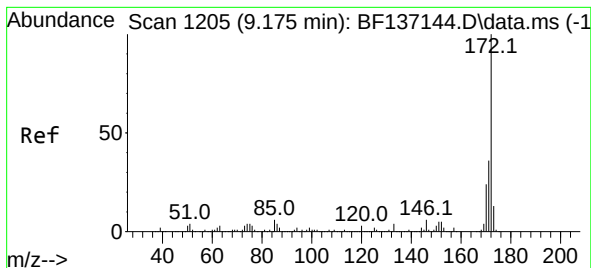
196 100

198 99.9 81.7 122.5

97 59.0 43.9 65.9

132 27.1 20.7 31.1

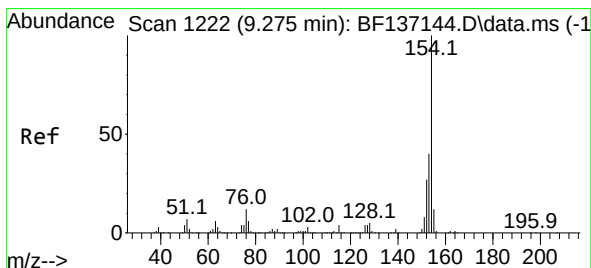
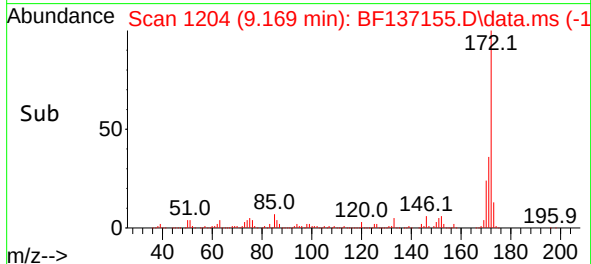
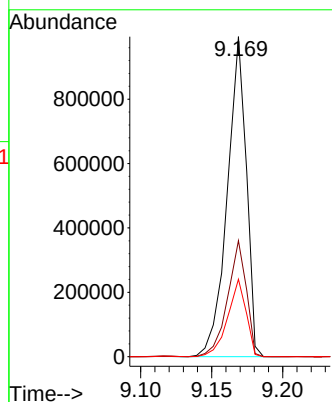
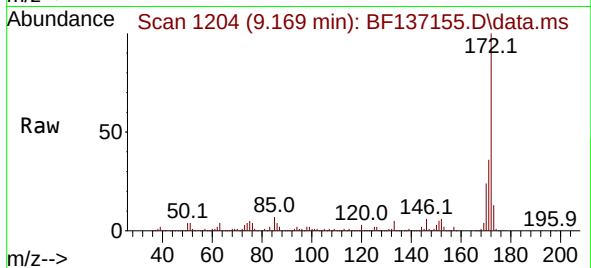




#45
2-Fluorobiphenyl
Concen: 79.241 ng
RT: 9.169 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF137155.D
Acq: 25 Jan 2024 19:02

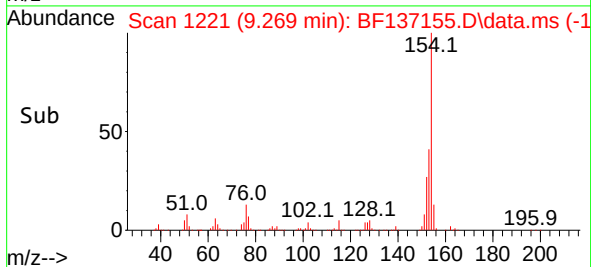
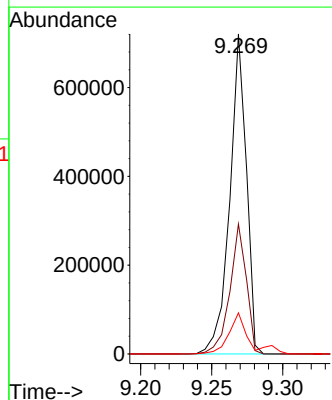
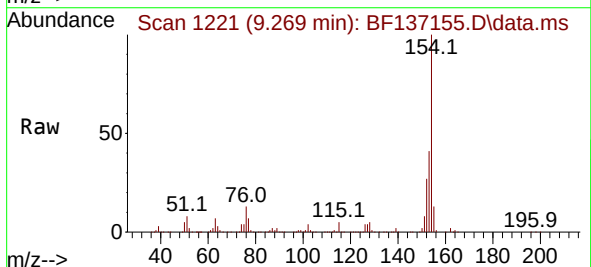
Instrument :
BNA_F
ClientSampleId :
72-11985MSD

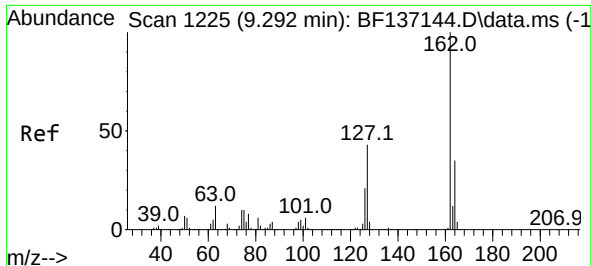
Tgt Ion:172 Resp: 928444
Ion Ratio Lower Upper
172 100
171 36.3 28.6 43.0
170 24.2 18.8 28.2



#46
1,1'-Biphenyl
Concen: 45.007 ng
RT: 9.269 min Scan# 1221
Delta R.T. -0.006 min
Lab File: BF137155.D
Acq: 25 Jan 2024 19:02

Tgt Ion:154 Resp: 585281
Ion Ratio Lower Upper
154 100
153 40.6 20.4 60.4
76 12.9 0.0 31.9





#47

2-Chloronaphthalene

Concen: 45.503 ng

RT: 9.292 min Scan# 1225

Delta R.T. 0.000 min

Lab File: BF137155.D

Acq: 25 Jan 2024 19:02

Instrument :

BNA_F

ClientSampleId :

72-11985MSD

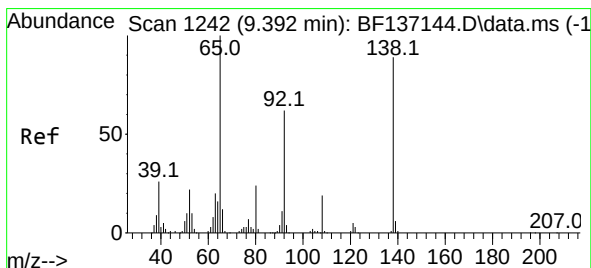
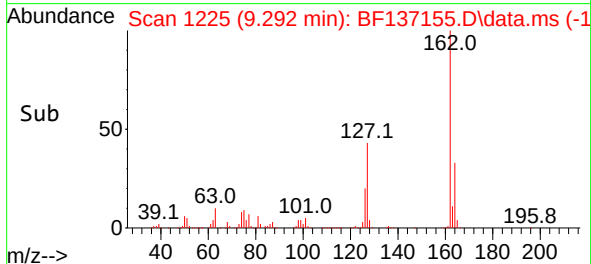
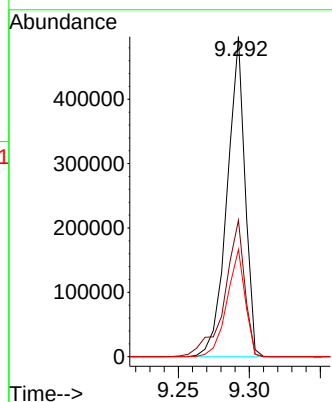
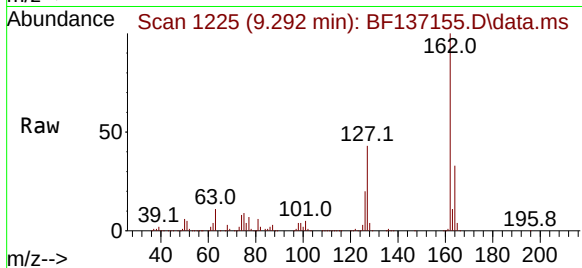
Tgt Ion:162 Resp: 435559

Ion Ratio Lower Upper

162 100

127 42.7 34.6 52.0

164 33.5 27.7 41.5



#48

2-Nitroaniline

Concen: 49.999 ng

RT: 9.386 min Scan# 1241

Delta R.T. -0.006 min

Lab File: BF137155.D

Acq: 25 Jan 2024 19:02

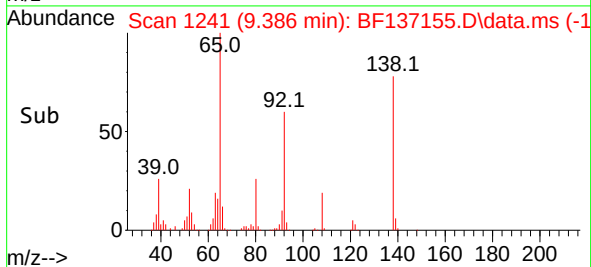
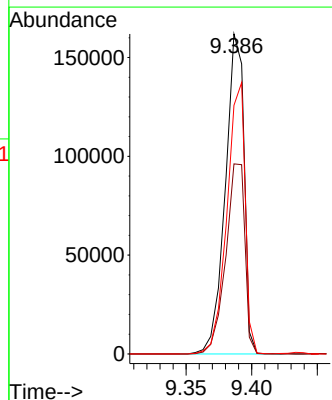
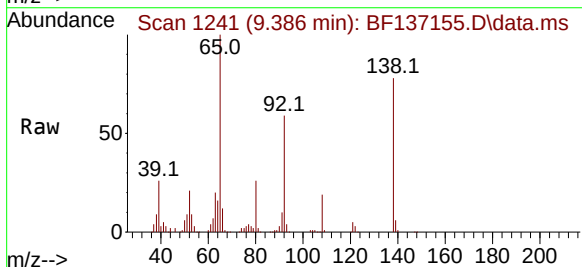
Tgt Ion: 65 Resp: 160737

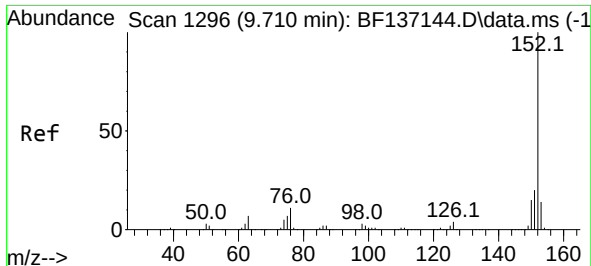
Ion Ratio Lower Upper

65 100

92 59.4 49.4 74.2

138 77.7 70.8 106.2





#49

Acenaphthylene

Concen: 45.549 ng

RT: 9.710 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF137155.D

Acq: 25 Jan 2024 19:02

Instrument :

BNA_F

ClientSampleId :

72-11985MSD

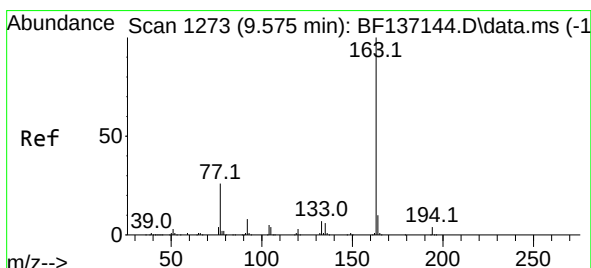
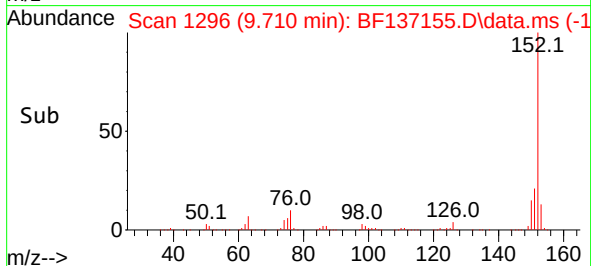
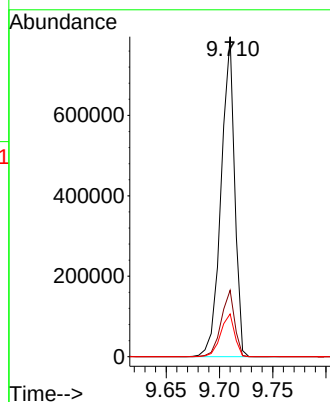
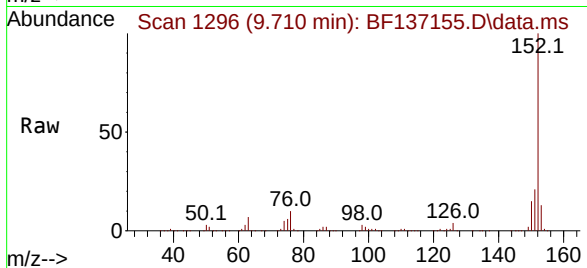
Tgt Ion:152 Resp: 700772

Ion Ratio Lower Upper

152 100

151 20.8 15.9 23.9

153 13.4 11.4 17.2



#50

Dimethylphthalate

Concen: 48.931 ng

RT: 9.581 min Scan# 1274

Delta R.T. 0.006 min

Lab File: BF137155.D

Acq: 25 Jan 2024 19:02

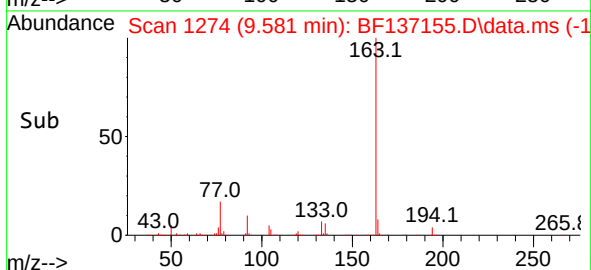
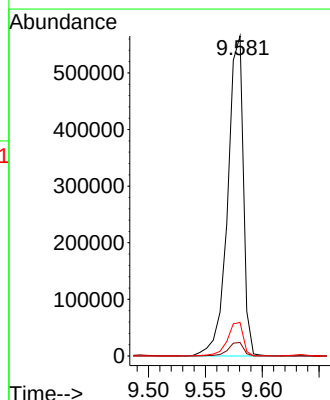
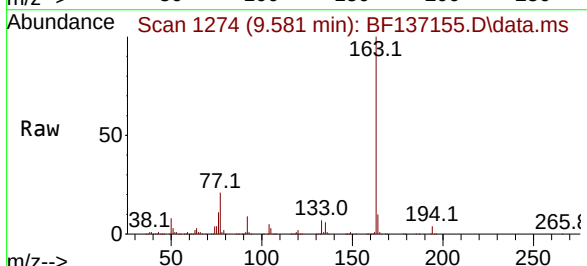
Tgt Ion:163 Resp: 540522

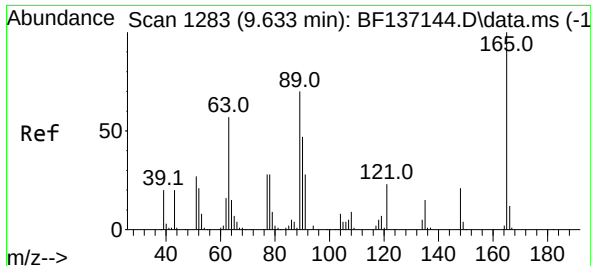
Ion Ratio Lower Upper

163 100

194 4.2 3.3 4.9

164 10.5 8.4 12.6

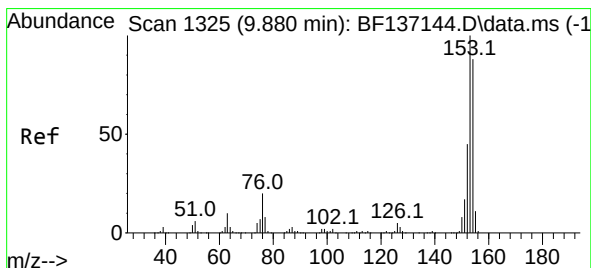
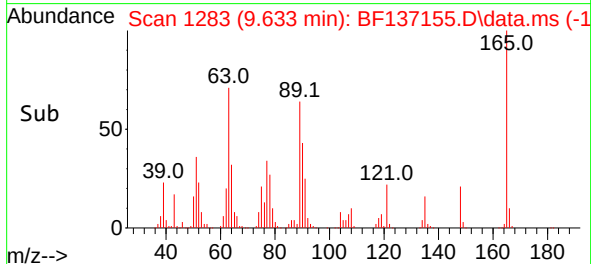
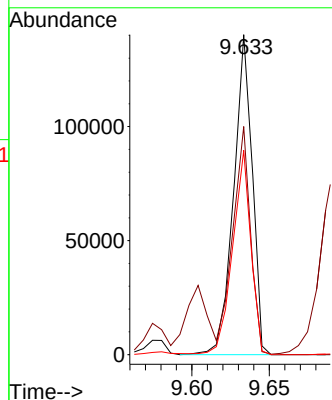
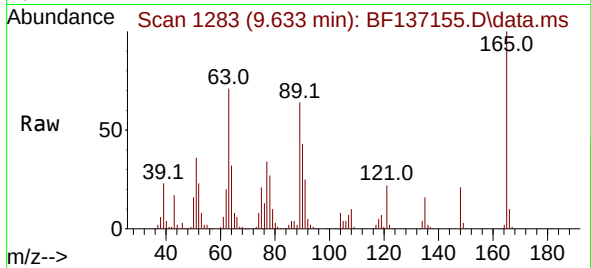




#51
2,6-Dinitrotoluene
Concen: 52.428 ng
RT: 9.633 min Scan# 1283
Delta R.T. 0.000 min
Lab File: BF137155.D
Acq: 25 Jan 2024 19:02

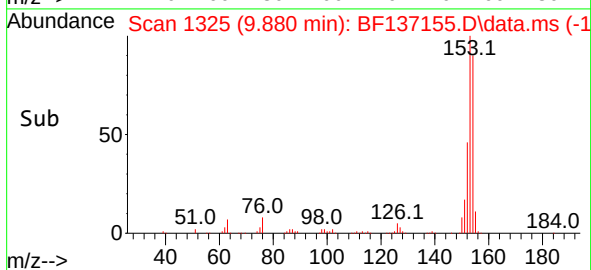
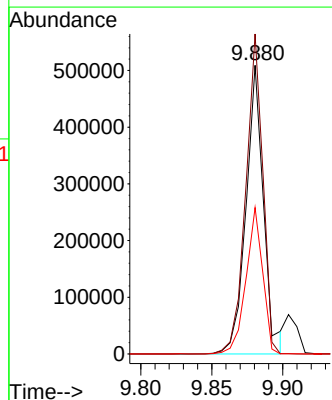
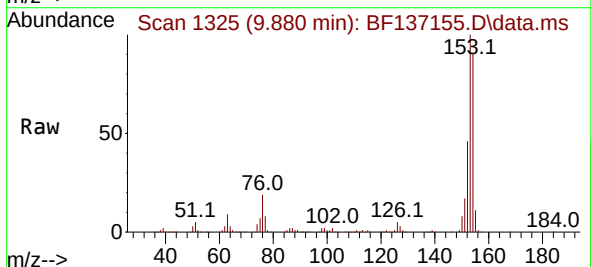
Instrument :
BNA_F
ClientSampleId :
72-11985MSD

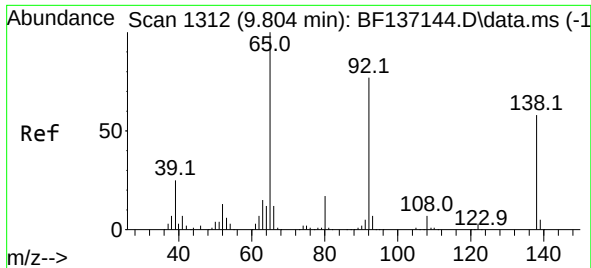
Tgt Ion:165 Resp: 117056
Ion Ratio Lower Upper
165 100
63 71.3 64.4 96.6
89 63.9 55.7 83.5



#52
Acenaphthene
Concen: 45.902 ng
RT: 9.880 min Scan# 1325
Delta R.T. 0.000 min
Lab File: BF137155.D
Acq: 25 Jan 2024 19:02

Tgt Ion:154 Resp: 437076
Ion Ratio Lower Upper
154 100
153 110.8 91.0 136.6
152 50.7 41.2 61.8

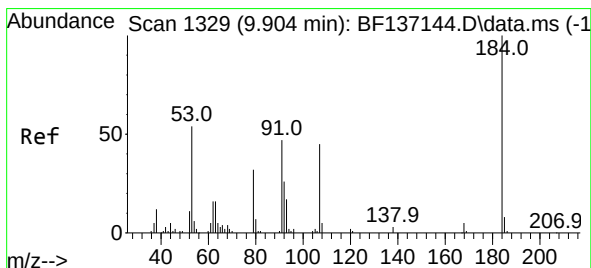
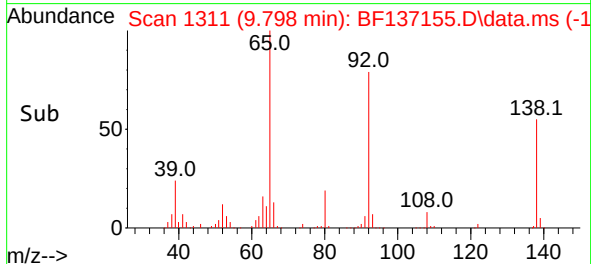
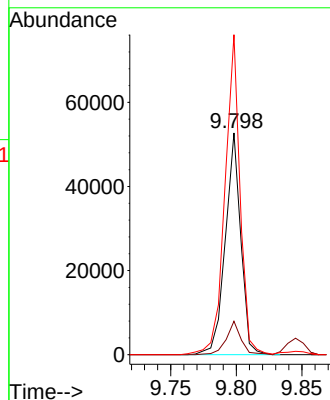
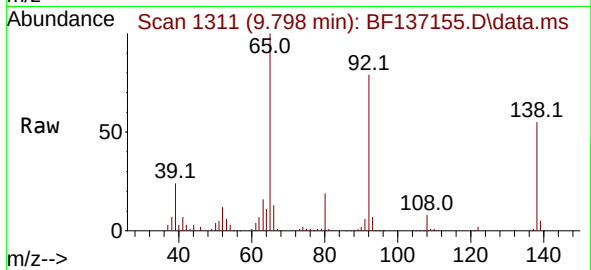




#53
3-Nitroaniline
Concen: 21.407 ng
RT: 9.798 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF137155.D
Acq: 25 Jan 2024 19:02

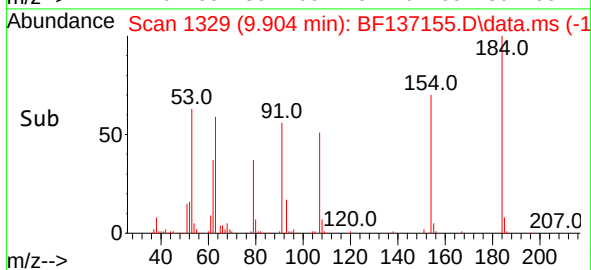
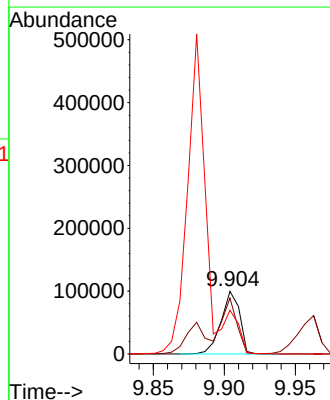
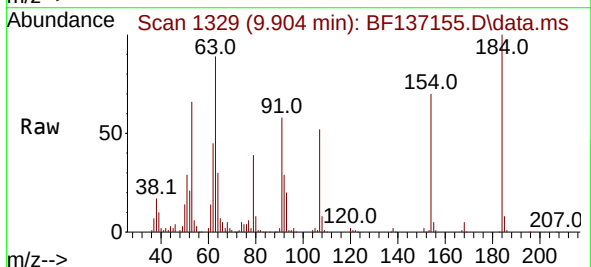
Instrument :
BNA_F
ClientSampleId :
72-11985MSD

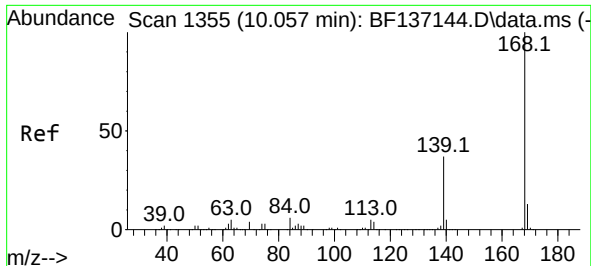
Tgt Ion:138 Resp: 43185
Ion Ratio Lower Upper
138 100
108 15.1 10.2 15.2
92 144.3 105.7 158.5



#54
2,4-Dinitrophenol
Concen: 86.742 ng
RT: 9.904 min Scan# 1329
Delta R.T. 0.000 min
Lab File: BF137155.D
Acq: 25 Jan 2024 19:02

Tgt Ion:184 Resp: 90916
Ion Ratio Lower Upper
184 100
63 89.2 61.2 91.8
154 69.8 51.6 77.4

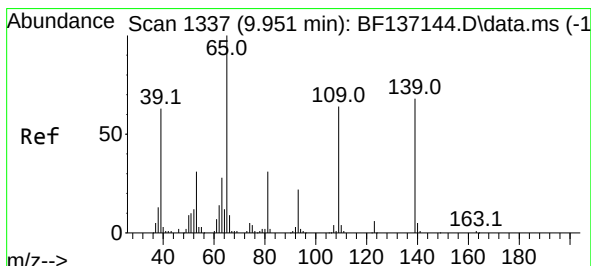
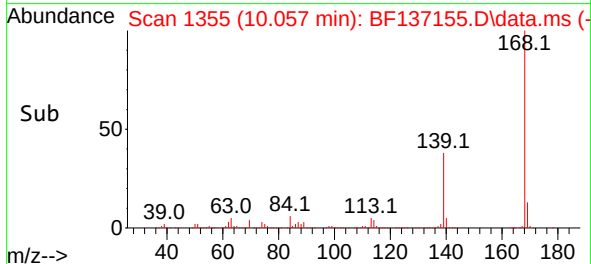
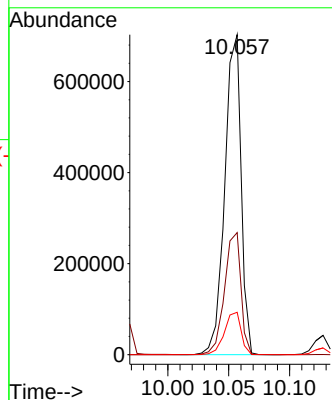
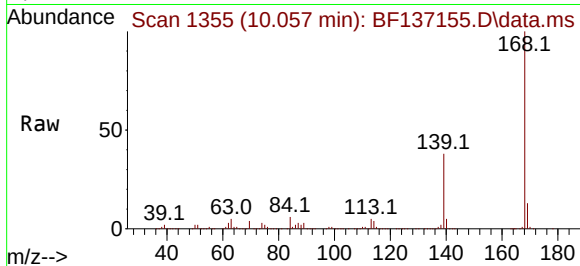




#55
Dibenzofuran
Concen: 45.672 ng
RT: 10.057 min Scan# 1355
Delta R.T. -0.000 min
Lab File: BF137155.D
Acq: 25 Jan 2024 19:02

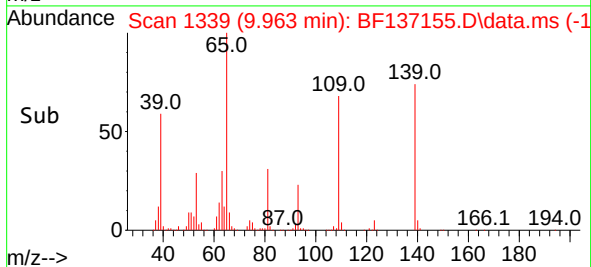
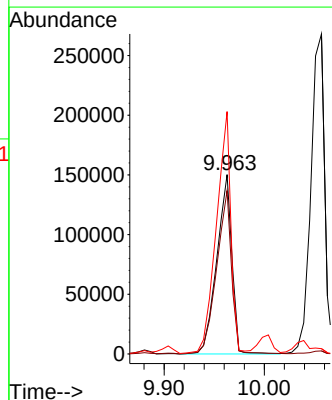
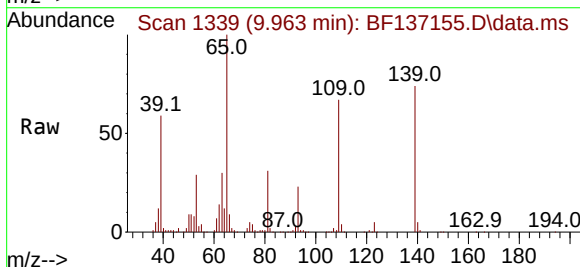
Instrument :
BNA_F
ClientSampleId :
72-11985MSD

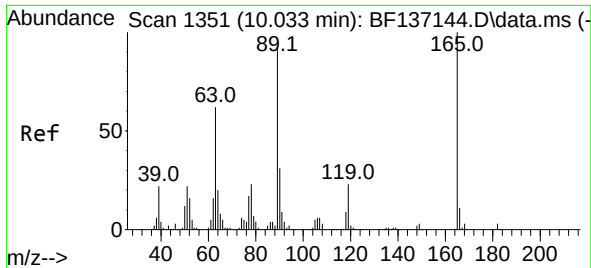
Tgt Ion:168 Resp: 656020
Ion Ratio Lower Upper
168 100
139 38.1 29.5 44.3
169 13.3 10.5 15.7



#56
4-Nitrophenol
Concen: 98.116 ng
RT: 9.963 min Scan# 1339
Delta R.T. 0.012 min
Lab File: BF137155.D
Acq: 25 Jan 2024 19:02

Tgt Ion:139 Resp: 157451
Ion Ratio Lower Upper
139 100
109 91.1 73.7 113.7
65 135.1 126.0 166.0

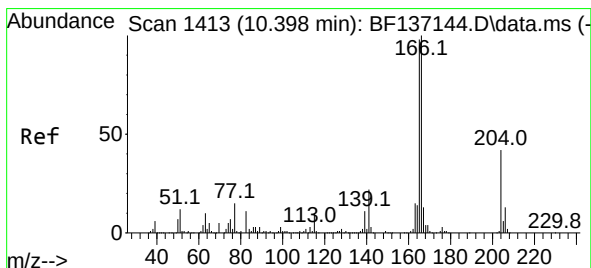
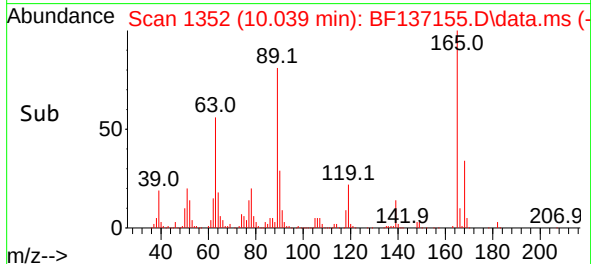
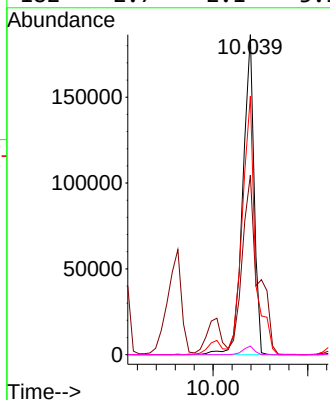
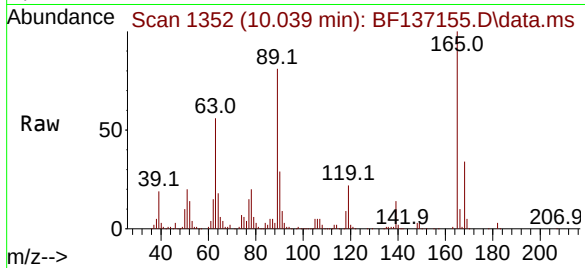




#57
2,4-Dinitrotoluene
Concen: 54.230 ng
RT: 10.039 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF137155.D
Acq: 25 Jan 2024 19:02

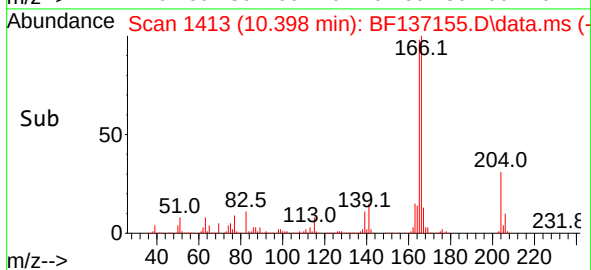
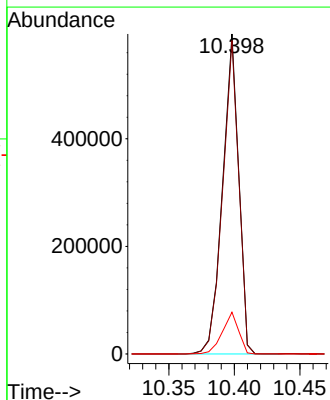
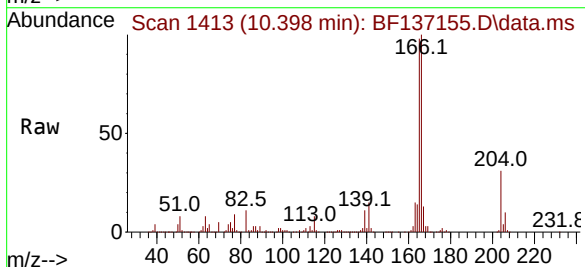
Instrument :
BNA_F
ClientSampleId :
72-11985MSD

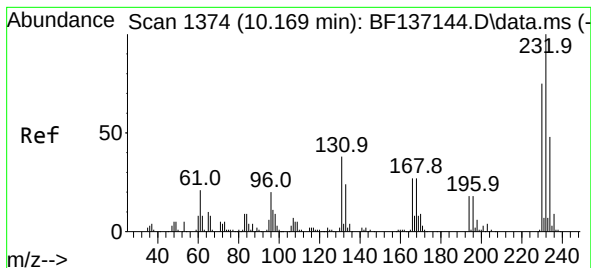
Tgt Ion:165 Resp: 154603
Ion Ratio Lower Upper
165 100
63 56.2 49.4 74.2
89 80.8 73.5 110.3
182 2.7 2.1 3.1



#58
Fluorene
Concen: 46.256 ng
RT: 10.398 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF137155.D
Acq: 25 Jan 2024 19:02

Tgt Ion:166 Resp: 509299
Ion Ratio Lower Upper
166 100
165 97.9 78.6 118.0
167 13.1 10.7 16.1

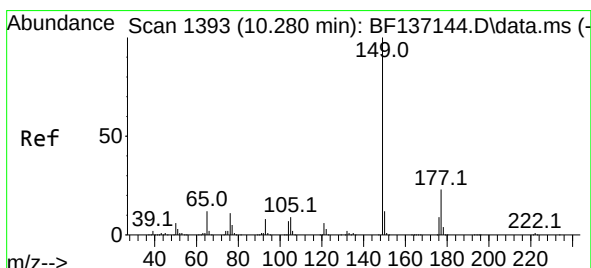
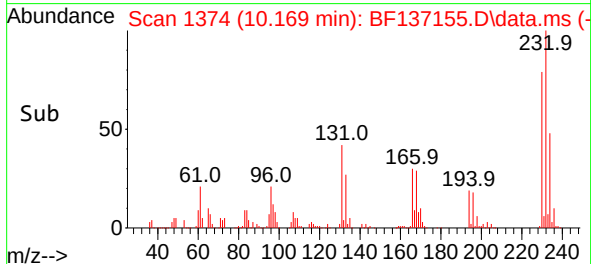
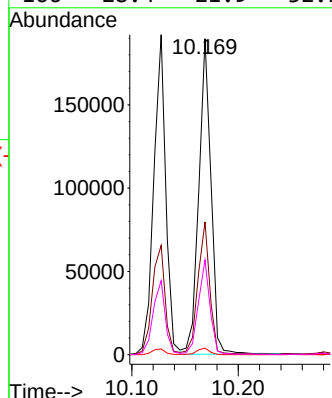
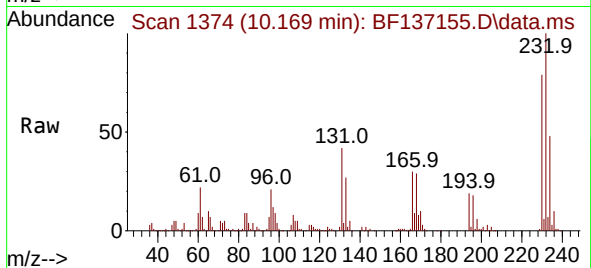




#59
2,3,4,6-Tetrachlorophenol
Concen: 49.465 ng
RT: 10.169 min Scan# 1374
Delta R.T. 0.000 min
Lab File: BF137155.D
Acq: 25 Jan 2024 19:02

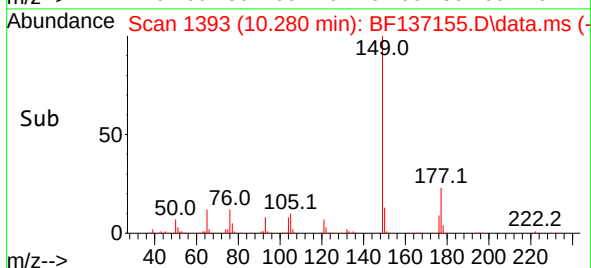
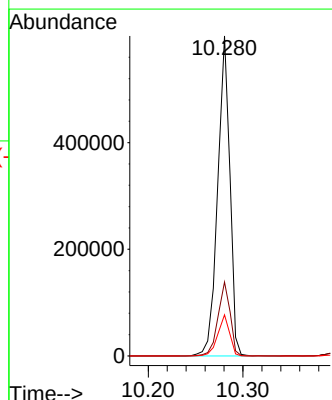
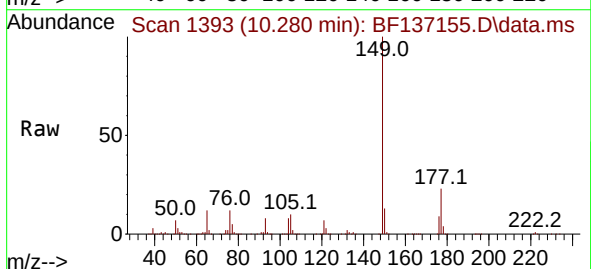
Instrument :
BNA_F
ClientSampleId :
72-11985MSD

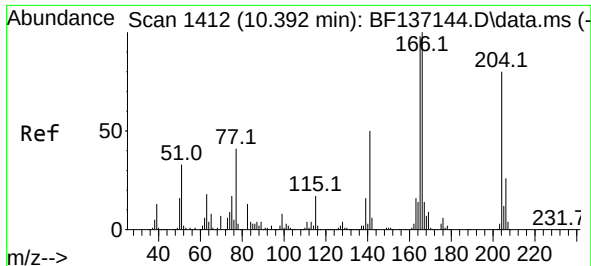
Tgt Ion:232 Resp: 150975
Ion Ratio Lower Upper
232 100
131 41.3 31.4 47.0
130 2.1 1.8 2.6
166 28.4 21.9 32.9



#60
Diethylphthalate
Concen: 49.423 ng
RT: 10.280 min Scan# 1393
Delta R.T. 0.000 min
Lab File: BF137155.D
Acq: 25 Jan 2024 19:02

Tgt Ion:149 Resp: 535440
Ion Ratio Lower Upper
149 100
177 23.1 18.7 28.1
150 12.9 9.4 14.2

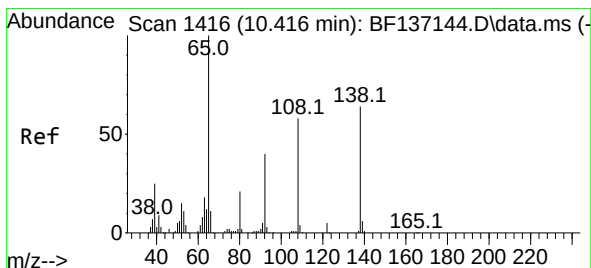
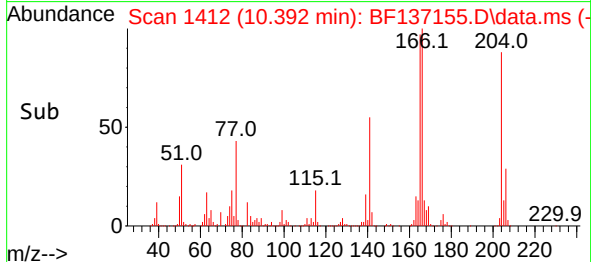
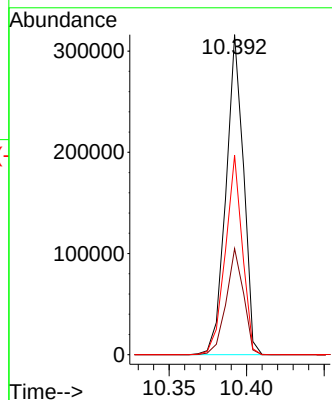
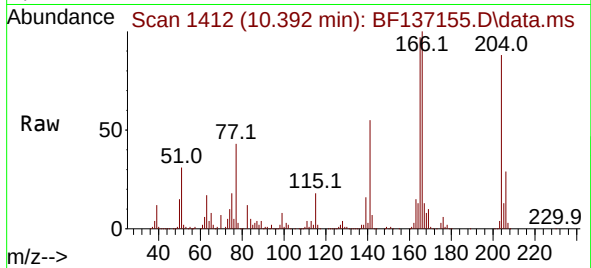




#61
4-Chlorophenyl-phenylether
Concen: 45.270 ng
RT: 10.392 min Scan# 1412
Delta R.T. 0.000 min
Lab File: BF137155.D
Acq: 25 Jan 2024 19:02

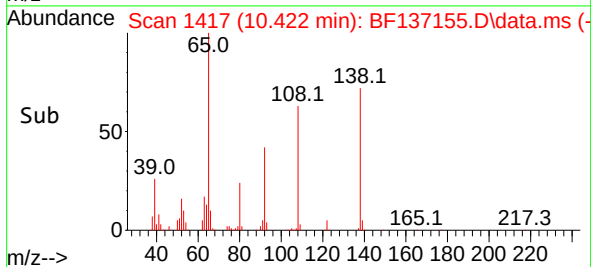
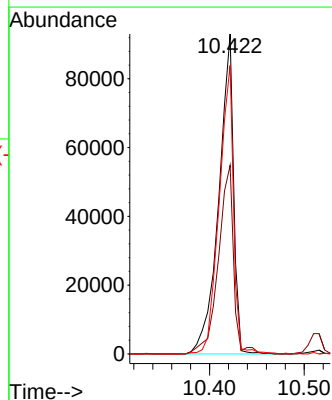
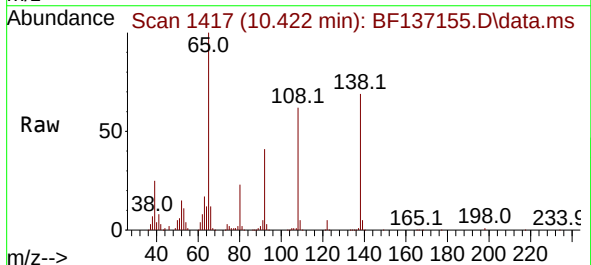
Instrument :
BNA_F
ClientSampleId :
72-11985MSD

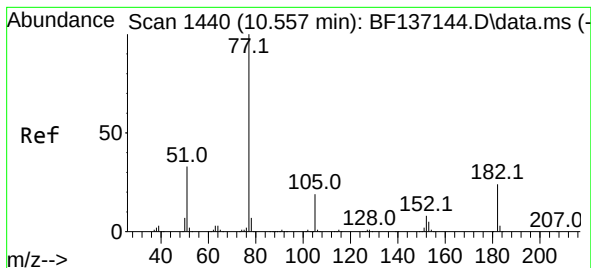
Tgt Ion:204 Resp: 248453
Ion Ratio Lower Upper
204 100
206 33.2 25.6 38.4
141 62.3 50.3 75.5



#62
4-Nitroaniline
Concen: 50.210 ng
RT: 10.422 min Scan# 1417
Delta R.T. 0.006 min
Lab File: BF137155.D
Acq: 25 Jan 2024 19:02

Tgt Ion:138 Resp: 101068
Ion Ratio Lower Upper
138 100
92 59.0 42.7 82.7
108 90.2 70.8 110.8





#63

Azobenzene

Concen: 45.901 ng

RT: 10.557 min Scan# 1440

Delta R.T. 0.000 min

Lab File: BF137155.D

Acq: 25 Jan 2024 19:02

Instrument :

BNA_F

ClientSampleId :

72-11985MSD

Tgt Ion: 77 Resp: 579123

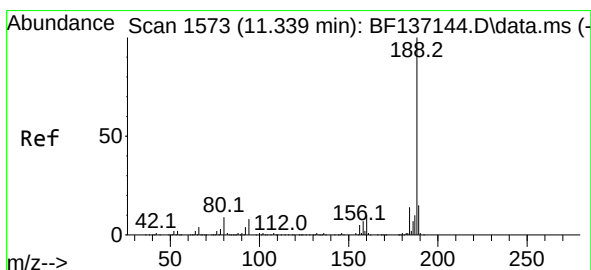
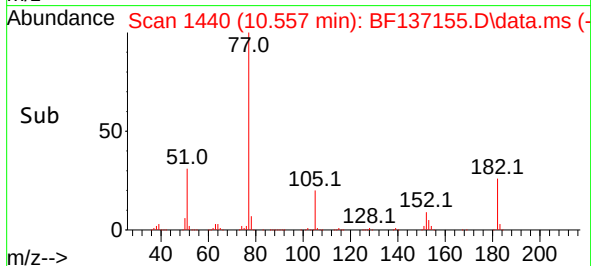
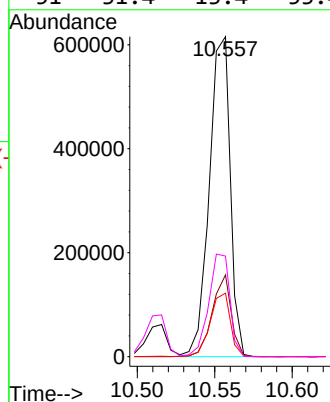
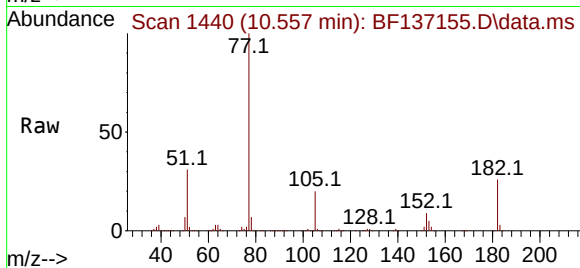
Ion Ratio Lower Upper

77 100

182 25.6 4.4 44.4

105 19.9 0.0 39.3

51 31.4 13.4 53.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.333 min Scan# 1572

Delta R.T. -0.006 min

Lab File: BF137155.D

Acq: 25 Jan 2024 19:02

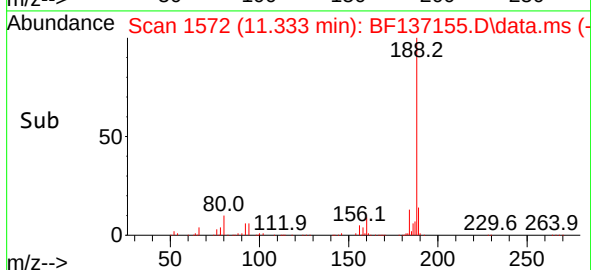
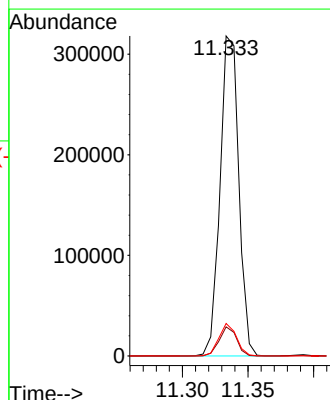
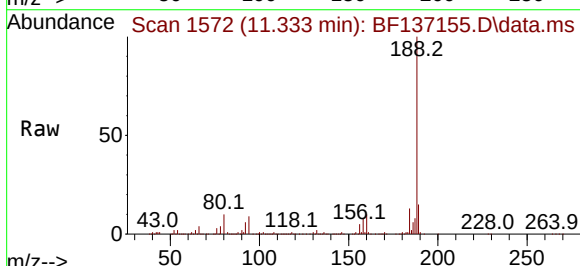
Tgt Ion: 188 Resp: 315408

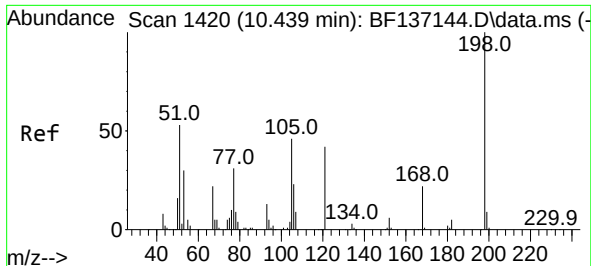
Ion Ratio Lower Upper

188 100

94 9.1 6.4 9.6

80 10.1 7.4 11.0

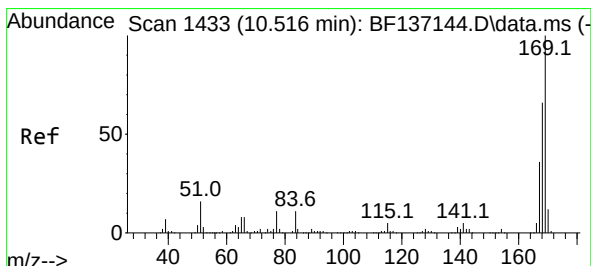
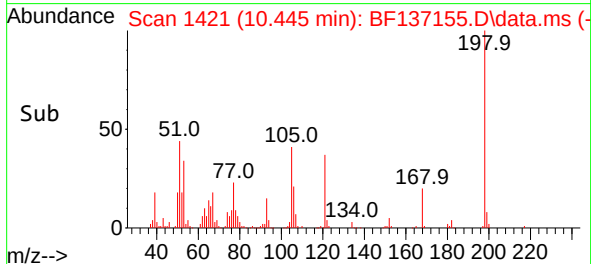
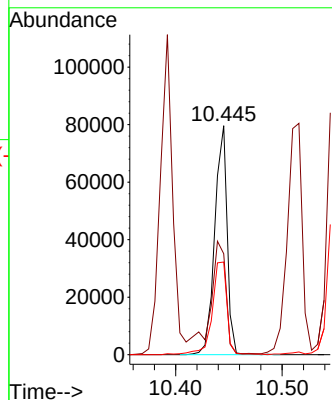
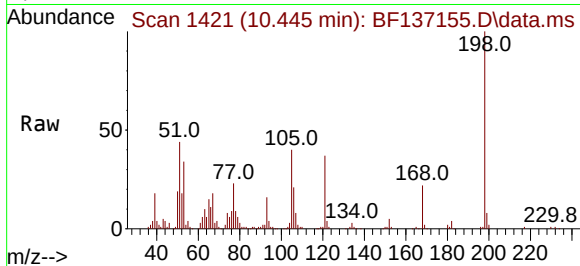




#65
4,6-Dinitro-2-methylphenol
Concen: 50.552 ng
RT: 10.445 min Scan# 1420
Delta R.T. 0.006 min
Lab File: BF137155.D
Acq: 25 Jan 2024 19:02

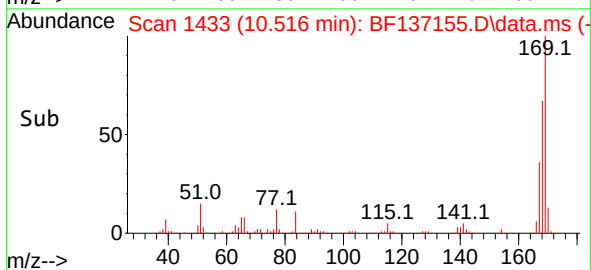
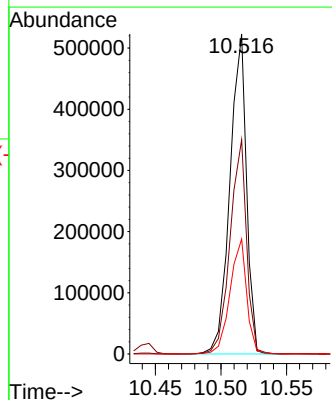
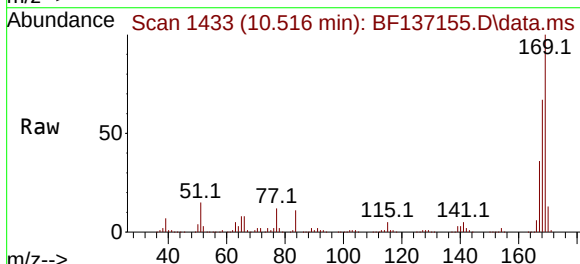
Instrument :
BNA_F
ClientSampleId :
72-11985MSD

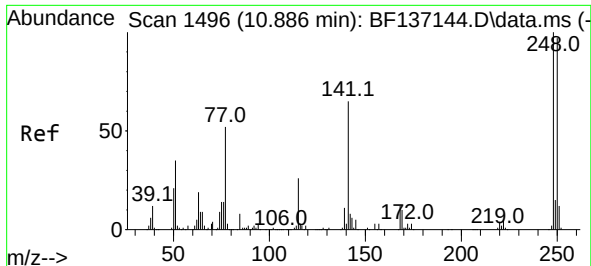
Tgt Ion:198 Resp: 64230
Ion Ratio Lower Upper
198 100
51 44.1 44.7 84.7#
105 40.5 28.2 68.2



#66
n-Nitrosodiphenylamine
Concen: 47.514 ng
RT: 10.516 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF137155.D
Acq: 25 Jan 2024 19:02

Tgt Ion:169 Resp: 459444
Ion Ratio Lower Upper
169 100
168 67.0 52.6 78.8
167 35.9 28.9 43.3

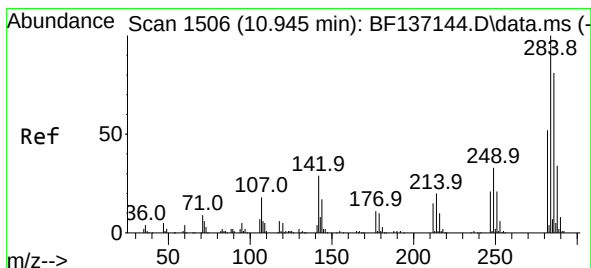
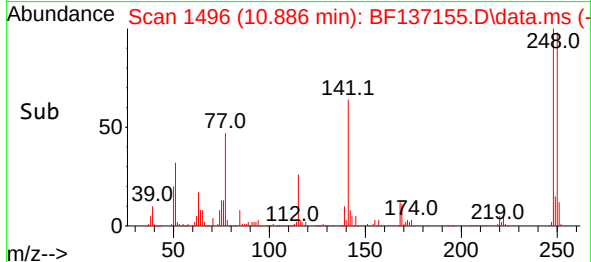
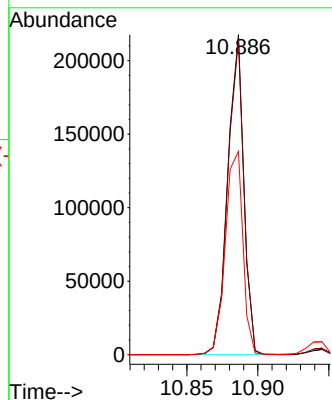
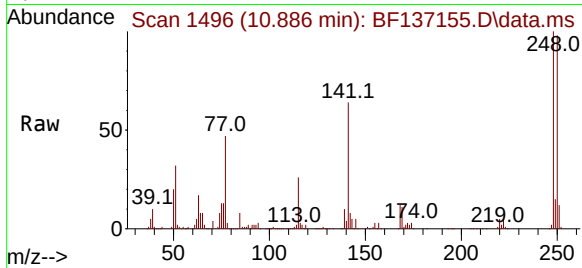




#67
4-Bromophenyl-phenylether
Concen: 47.259 ng
RT: 10.886 min Scan# 1496
Delta R.T. 0.000 min
Lab File: BF137155.D
Acq: 25 Jan 2024 19:02

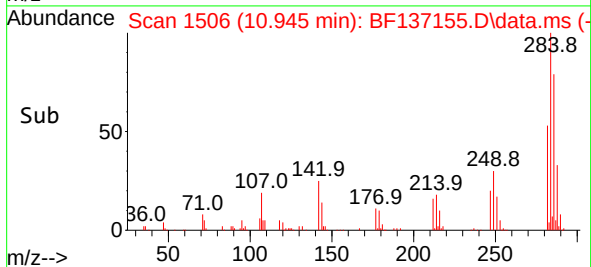
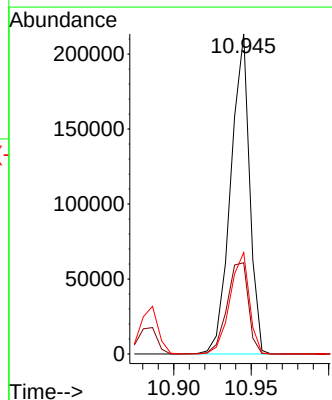
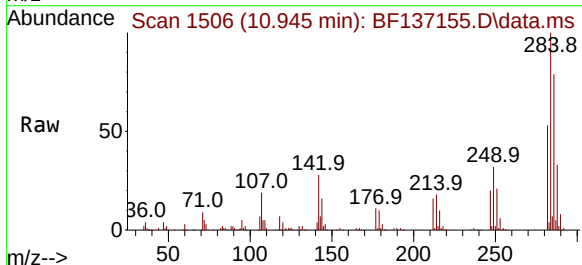
Instrument :
BNA_F
ClientSampleId :
72-11985MSD

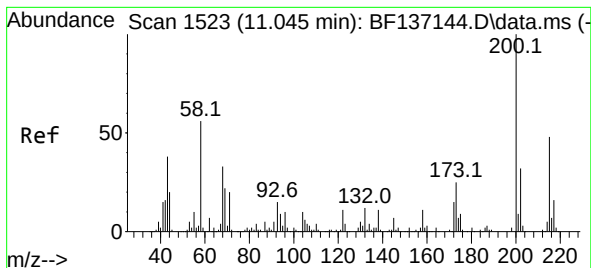
Tgt Ion:248 Resp: 171748
Ion Ratio Lower Upper
248 100
250 98.4 77.7 116.5
141 63.5 52.3 78.5



#68
Hexachlorobenzene
Concen: 47.264 ng
RT: 10.945 min Scan# 1506
Delta R.T. 0.000 min
Lab File: BF137155.D
Acq: 25 Jan 2024 19:02

Tgt Ion:284 Resp: 180660
Ion Ratio Lower Upper
284 100
142 28.5 23.2 34.8
249 31.7 26.2 39.2





#69

Atrazine

Concen: 50.556 ng

RT: 11.045 min Scan# 1523

Delta R.T. 0.000 min

Lab File: BF137155.D

Acq: 25 Jan 2024 19:02

Instrument :

BNA_F

ClientSampleId :

72-11985MSD

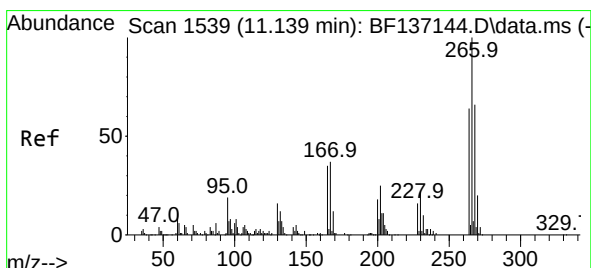
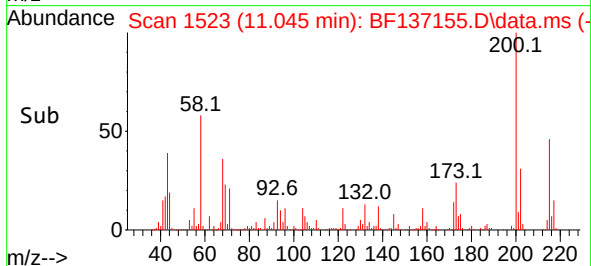
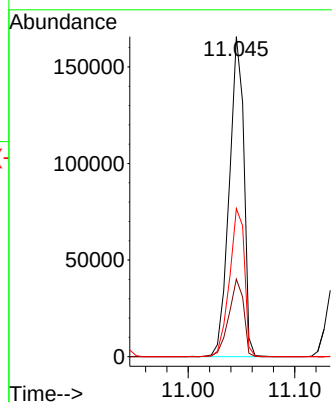
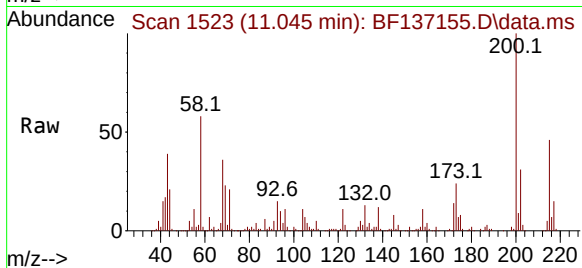
Tgt Ion:200 Resp: 157497

Ion Ratio Lower Upper

200 100

173 24.2 5.1 45.1

215 46.3 27.7 67.7



#70

Pentachlorophenol

Concen: 97.775 ng

RT: 11.139 min Scan# 1539

Delta R.T. 0.000 min

Lab File: BF137155.D

Acq: 25 Jan 2024 19:02

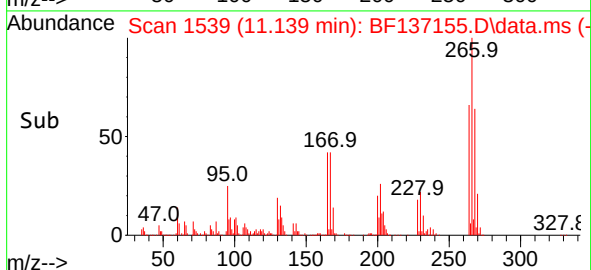
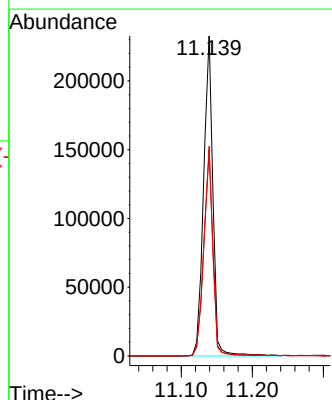
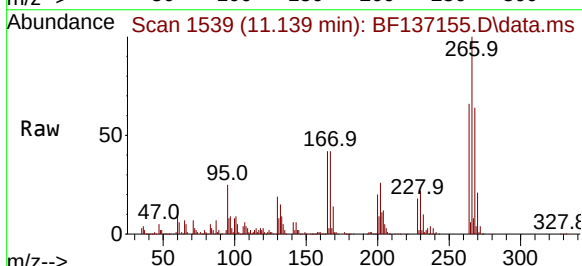
Tgt Ion:266 Resp: 212963

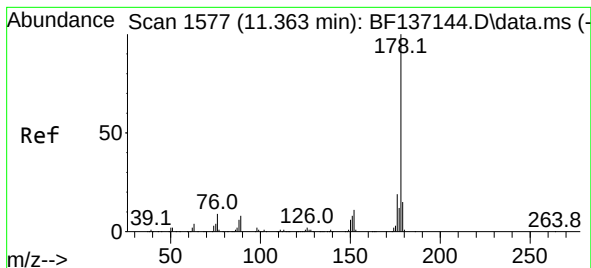
Ion Ratio Lower Upper

266 100

268 64.2 53.0 79.6

264 65.5 51.6 77.4





#71

Phenanthrene

Concen: 45.511 ng

RT: 11.363 min Scan# 1577

Delta R.T. 0.000 min

Lab File: BF137155.D

Acq: 25 Jan 2024 19:02

Instrument :

BNA_F

ClientSampleId :

72-11985MSD

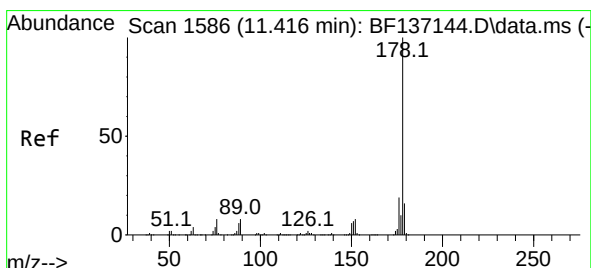
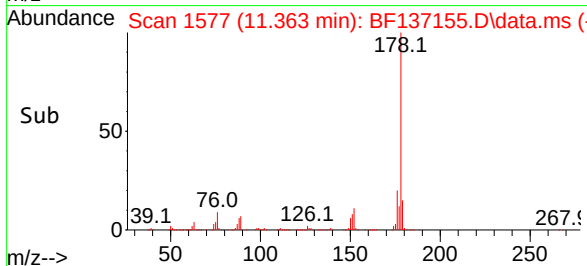
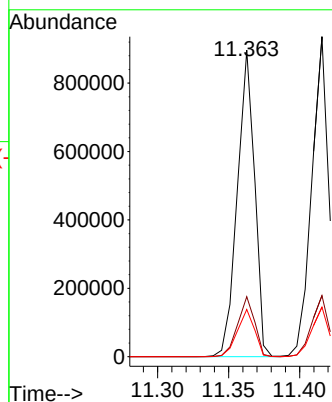
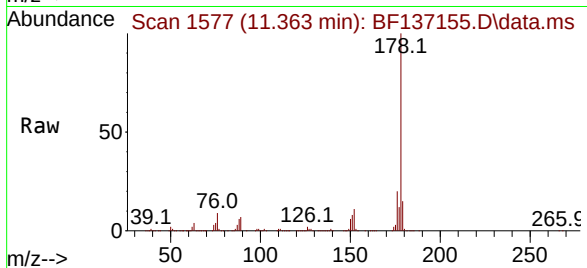
Tgt Ion:178 Resp: 759572

Ion Ratio Lower Upper

178 100

176 19.6 15.5 23.3

179 15.4 12.3 18.5



#72

Anthracene

Concen: 45.366 ng

RT: 11.416 min Scan# 1586

Delta R.T. 0.000 min

Lab File: BF137155.D

Acq: 25 Jan 2024 19:02

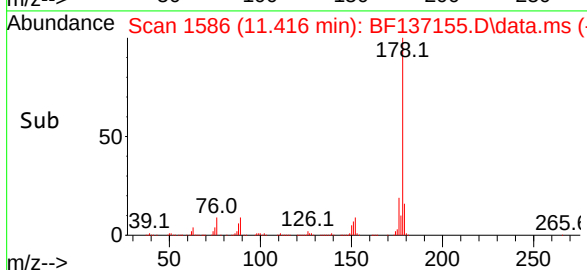
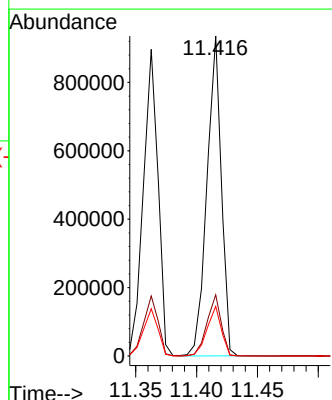
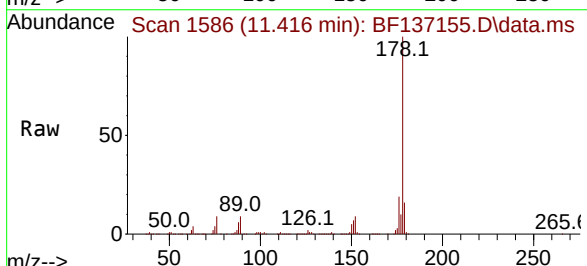
Tgt Ion:178 Resp: 771323

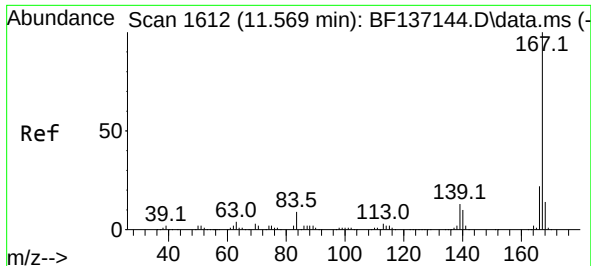
Ion Ratio Lower Upper

178 100

176 19.1 15.3 22.9

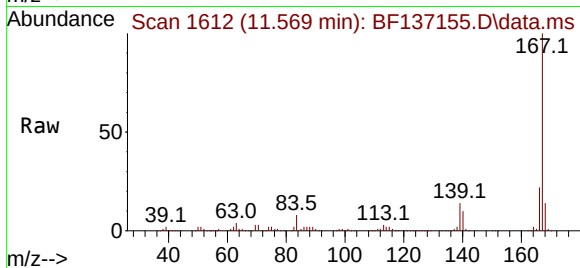
179 15.5 12.6 18.8



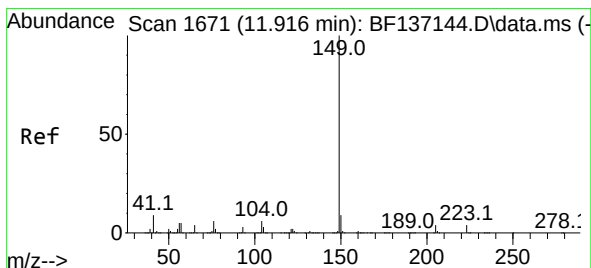
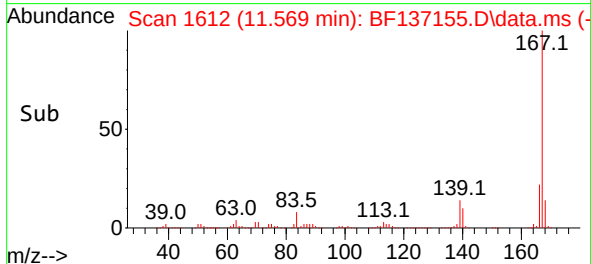
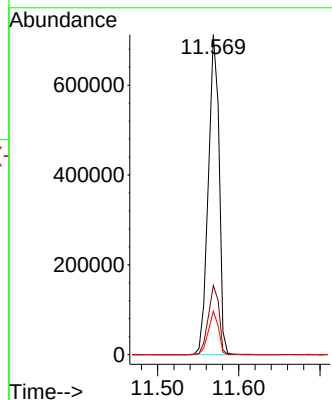


#73
 Carbazole
 Concen: 45.080 ng
 RT: 11.569 min Scan# 1612
 Delta R.T. 0.000 min
 Lab File: BF137155.D
 Acq: 25 Jan 2024 19:02

Instrument :
 BNA_F
 ClientSampleId :
 72-11985MSD

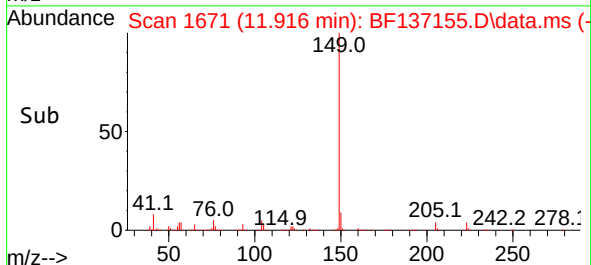
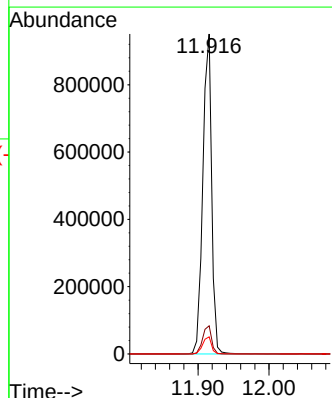
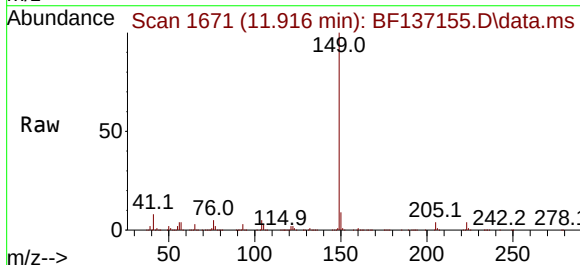


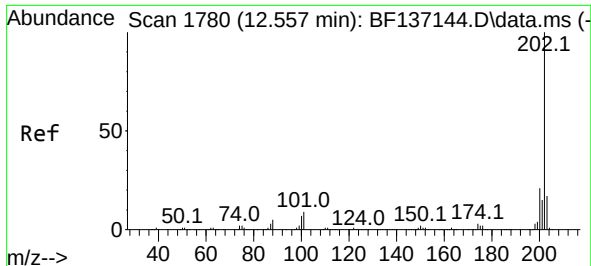
Tgt Ion:167 Resp: 654478
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.2 25.8
 139 13.6 10.3 15.5



#74
 Di-n-butylphthalate
 Concen: 54.072 ng
 RT: 11.916 min Scan# 1671
 Delta R.T. 0.000 min
 Lab File: BF137155.D
 Acq: 25 Jan 2024 19:02

Tgt Ion:149 Resp: 822021
 Ion Ratio Lower Upper
 149 100
 150 8.8 7.4 11.0
 104 5.4 4.4 6.6

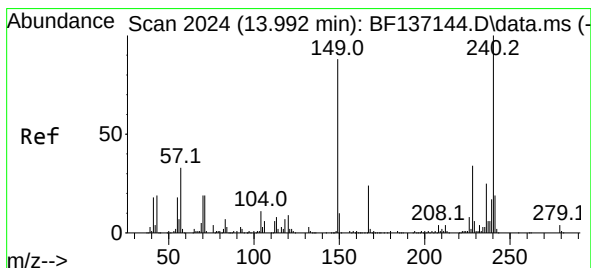
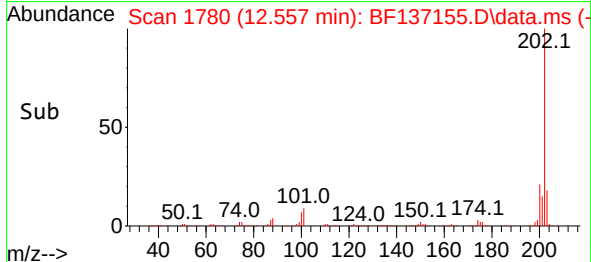
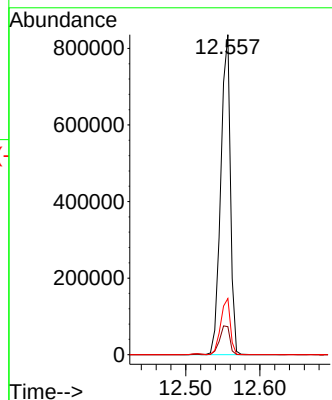
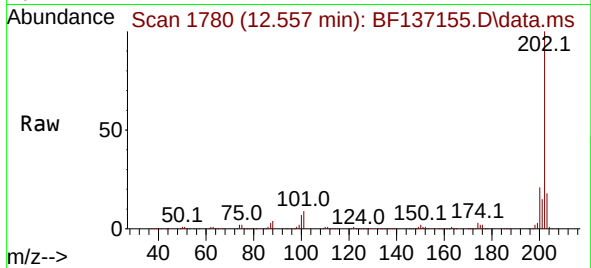




#75
Fluoranthene
Concen: 43.618 ng
RT: 12.557 min Scan# 1780
Delta R.T. -0.000 min
Lab File: BF137155.D
Acq: 25 Jan 2024 19:02

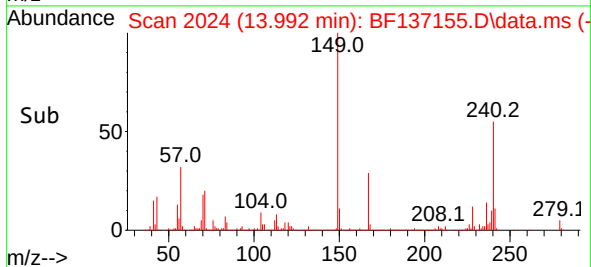
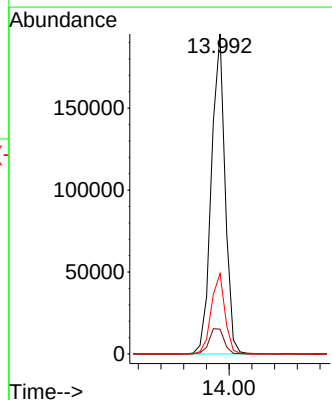
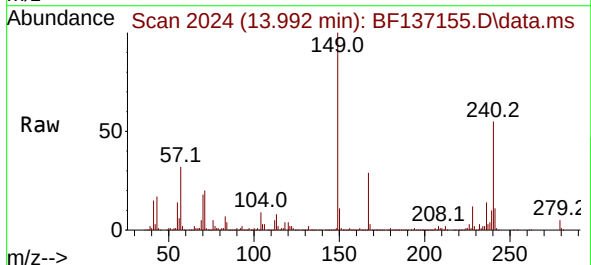
Instrument :
BNA_F
ClientSampleId :
72-11985MSD

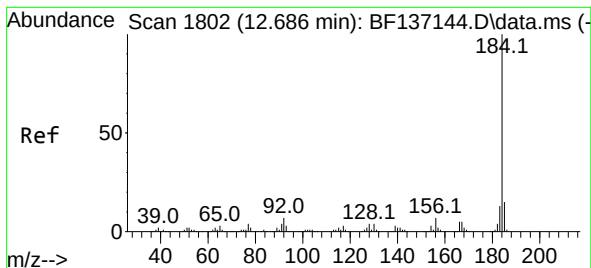
Tgt Ion:202 Resp: 755443
Ion Ratio Lower Upper
202 100
101 8.8 0.0 29.3
203 17.6 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.992 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BF137155.D
Acq: 25 Jan 2024 19:02

Tgt Ion:240 Resp: 163005
Ion Ratio Lower Upper
240 100
120 7.7 6.9 10.3
236 25.2 20.4 30.6





#77

Benzidine

Concen: 8.578 ng

RT: 12.680 min Scan# 1801

Delta R.T. -0.006 min

Lab File: BF137155.D

Acq: 25 Jan 2024 19:02

Instrument :

BNA_F

ClientSampleId :

72-11985MSD

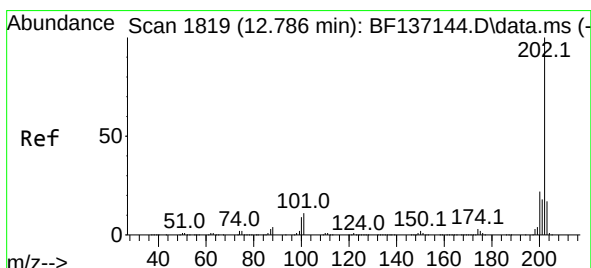
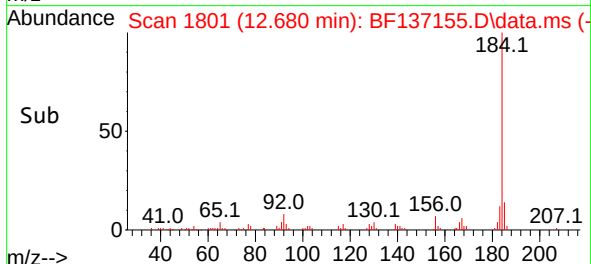
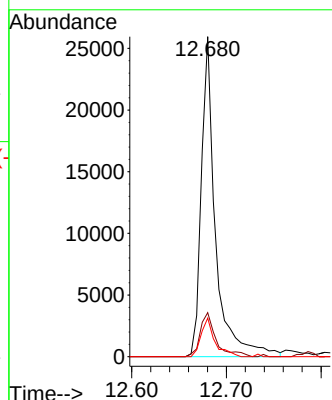
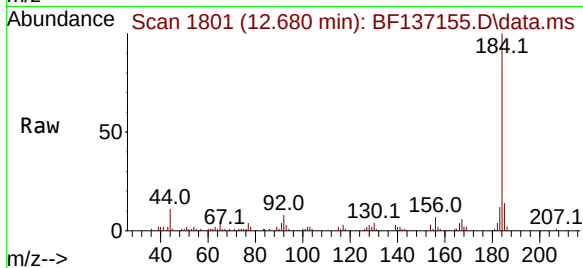
Tgt Ion:184 Resp: 27117

Ion Ratio Lower Upper

184 100

185 13.8 12.2 18.4

183 12.0 10.0 15.0



#78

Pyrene

Concen: 50.796 ng

RT: 12.786 min Scan# 1819

Delta R.T. 0.000 min

Lab File: BF137155.D

Acq: 25 Jan 2024 19:02

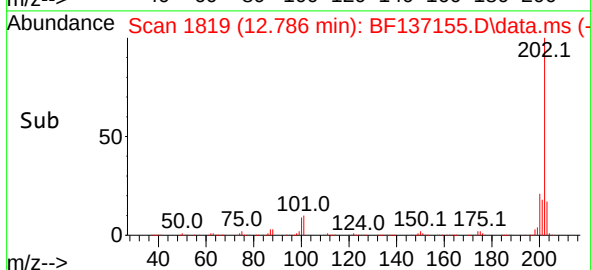
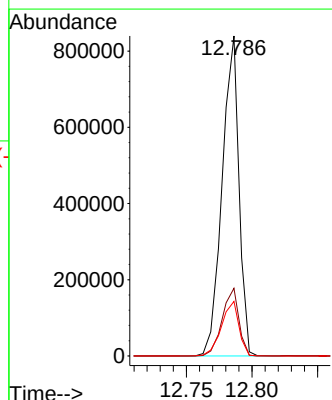
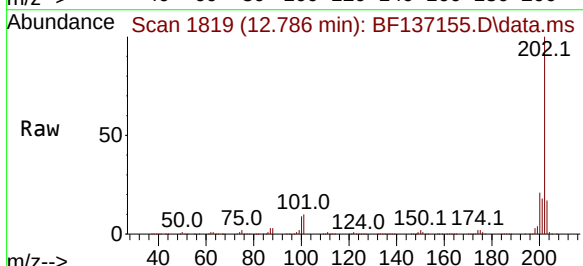
Tgt Ion:202 Resp: 746735

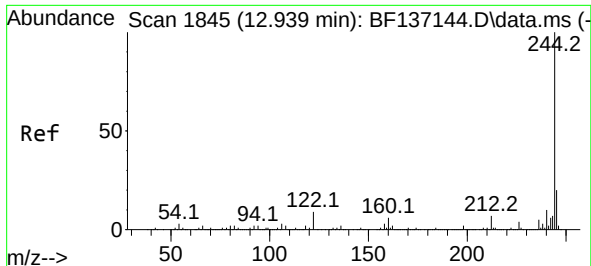
Ion Ratio Lower Upper

202 100

200 21.2 17.3 25.9

203 17.0 13.8 20.8

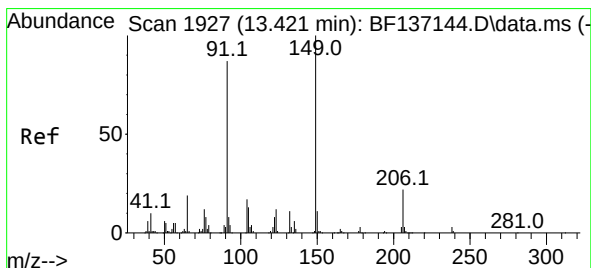
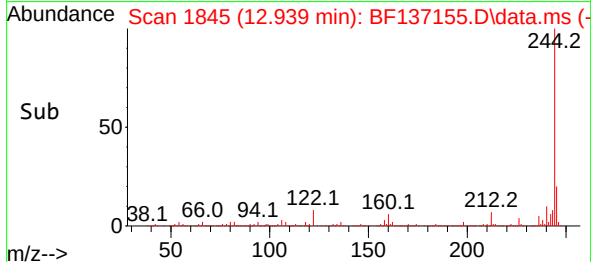
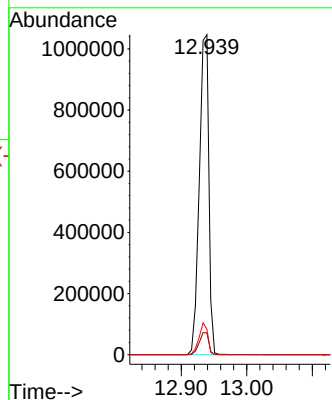
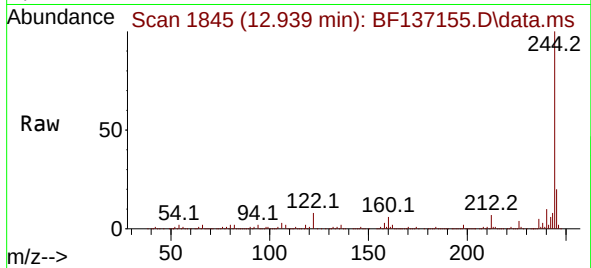




#79
 Terphenyl-d14
 Concen: 92.933 ng
 RT: 12.939 min Scan# 1845
 Delta R.T. 0.000 min
 Lab File: BF137155.D
 Acq: 25 Jan 2024 19:02

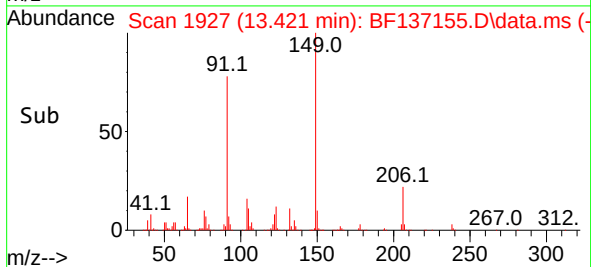
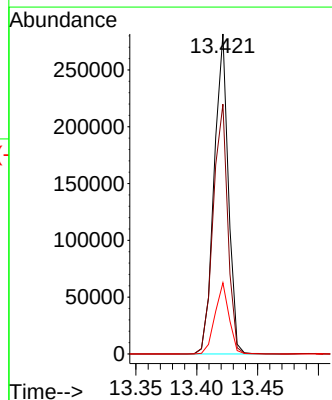
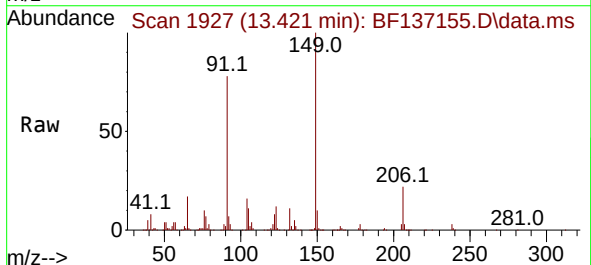
Instrument :
 BNA_F
 ClientSampleId :
 72-11985MSD

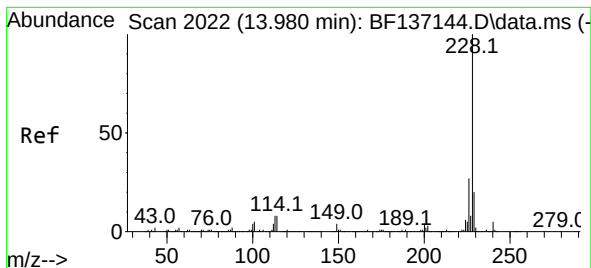
Tgt Ion:244 Resp: 1059362
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.7 8.5
 122 7.9 7.3 10.9



#80
 Butylbenzylphthalate
 Concen: 66.050 ng
 RT: 13.421 min Scan# 1927
 Delta R.T. 0.000 min
 Lab File: BF137155.D
 Acq: 25 Jan 2024 19:02

Tgt Ion:149 Resp: 228614
 Ion Ratio Lower Upper
 149 100
 91 78.1 69.4 104.0
 206 22.2 17.4 26.0





#81

Benzo(a)anthracene

Concen: 48.619 ng

RT: 13.980 min Scan# 2016

Delta R.T. 0.000 min

Lab File: BF137155.D

Acq: 25 Jan 2024 19:02

Instrument :

BNA_F

ClientSampleId :

72-11985MSD

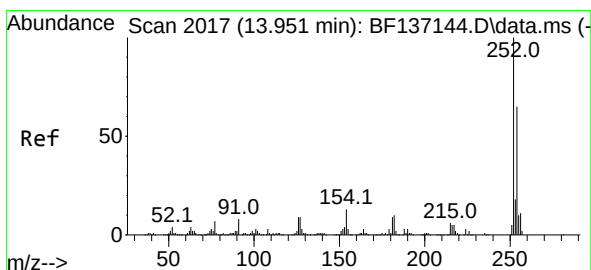
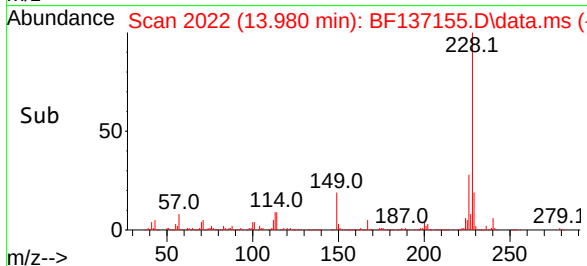
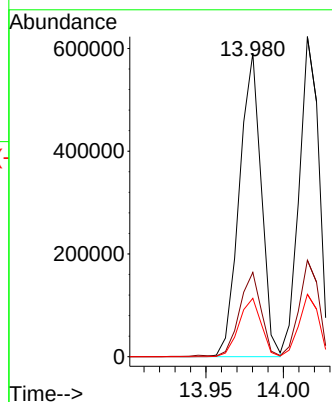
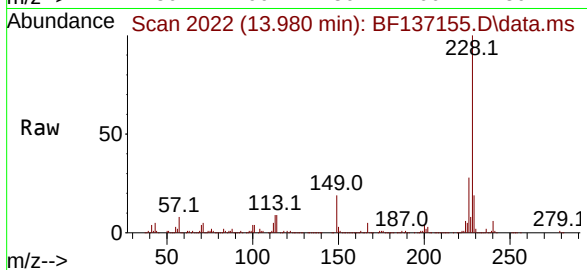
Tgt Ion:228 Resp: 579745

Ion Ratio Lower Upper

228 100

226 27.8 21.4 32.2

229 19.2 15.8 23.6



#82

3,3'-Dichlorobenzidine

Concen: 35.359 ng

RT: 13.945 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF137155.D

Acq: 25 Jan 2024 19:02

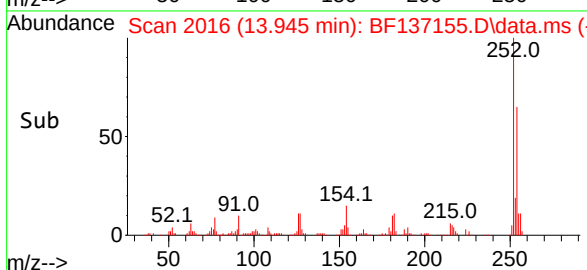
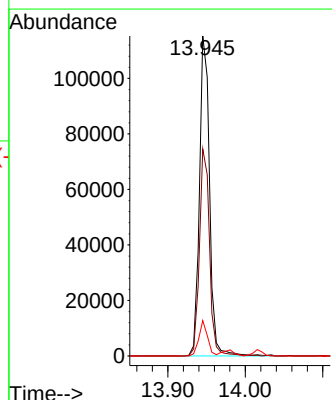
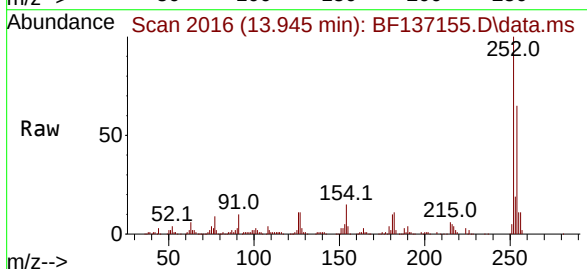
Tgt Ion:252 Resp: 104241

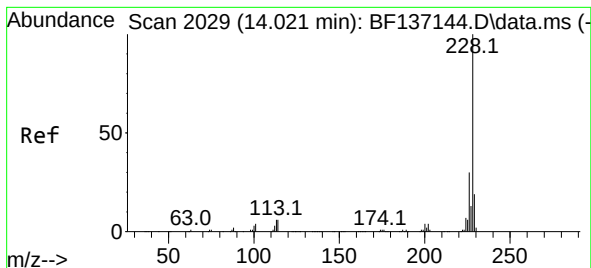
Ion Ratio Lower Upper

252 100

254 64.7 51.7 77.5

126 11.0 7.4 11.0





#83

Chrysene

Concen: 48.878 ng

RT: 14.015 min Scan# 2029

Delta R.T. -0.006 min

Lab File: BF137155.D

Acq: 25 Jan 2024 19:02

Instrument :

BNA_F

ClientSampleId :

72-11985MSD

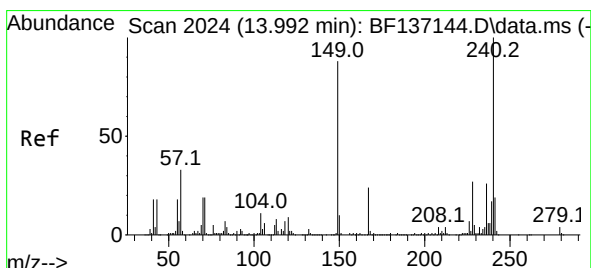
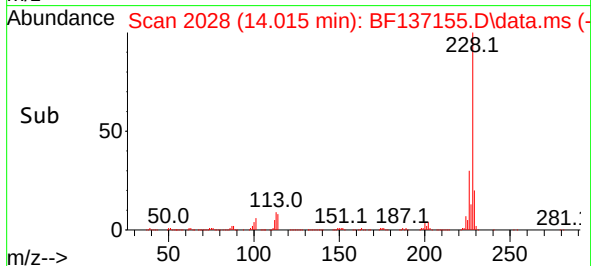
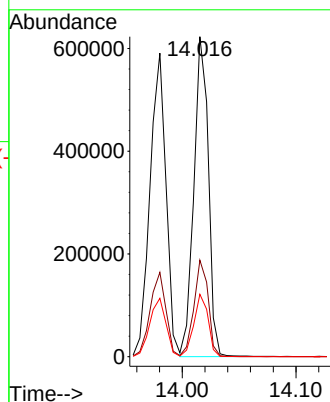
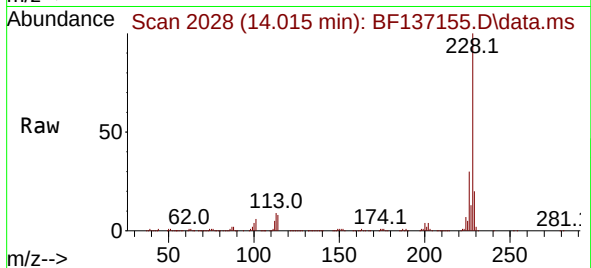
Tgt Ion:228 Resp: 552412

Ion Ratio Lower Upper

228 100

226 30.1 23.8 35.6

229 19.5 15.4 23.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 68.302 ng

RT: 13.992 min Scan# 2024

Delta R.T. -0.000 min

Lab File: BF137155.D

Acq: 25 Jan 2024 19:02

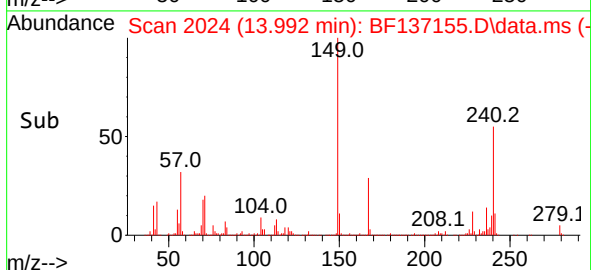
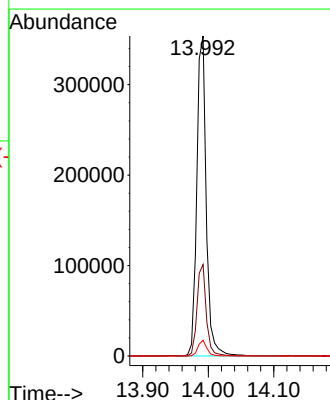
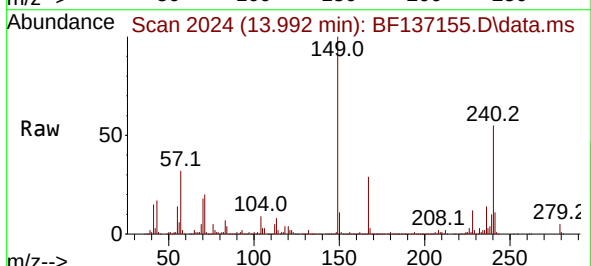
Tgt Ion:149 Resp: 355654

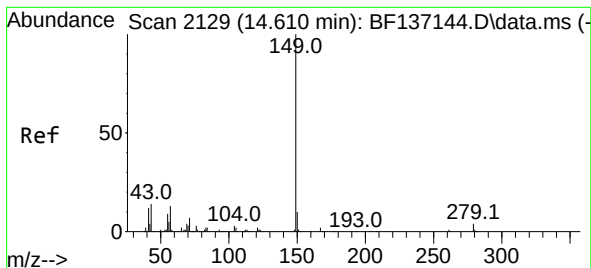
Ion Ratio Lower Upper

149 100

167 28.6 21.7 32.5

279 4.9 3.6 5.4





#85

Di-n-octyl phthalate

Concen: 67.821 ng

RT: 14.610 min Scan# 2129

Delta R.T. -0.000 min

Lab File: BF137155.D

Acq: 25 Jan 2024 19:02

Instrument :

BNA_F

ClientSampleId :

72-11985MSD

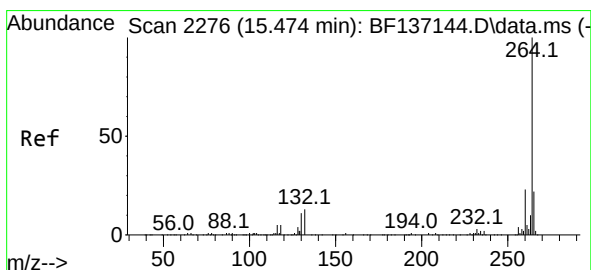
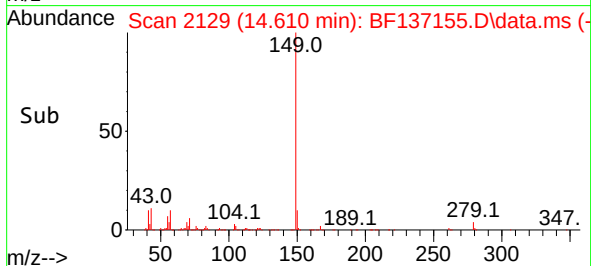
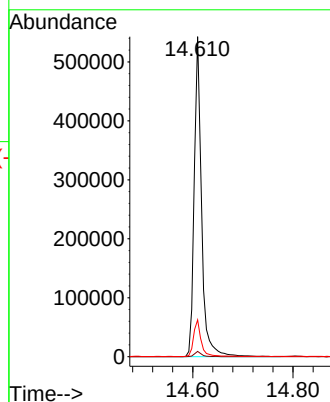
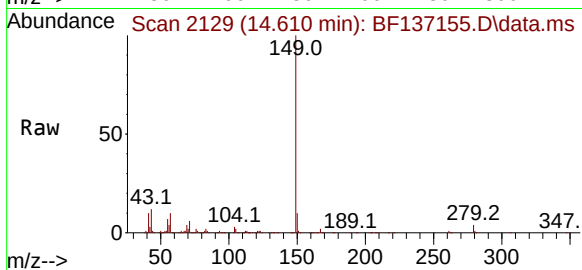
Tgt Ion:149 Resp: 551556

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 11.9 11.2 16.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.474 min Scan# 2276

Delta R.T. 0.000 min

Lab File: BF137155.D

Acq: 25 Jan 2024 19:02

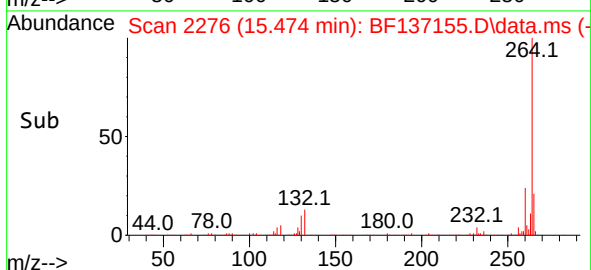
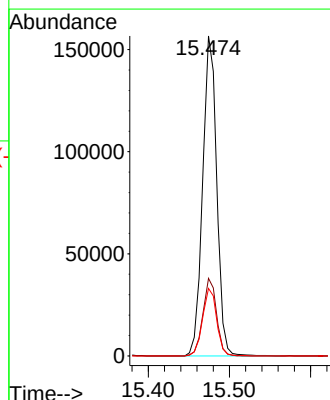
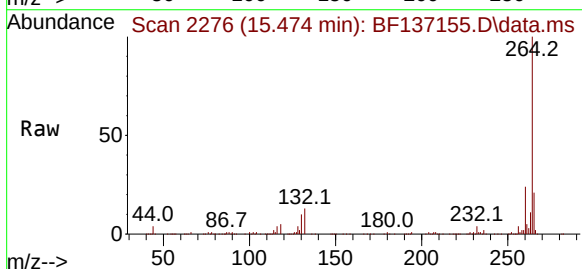
Tgt Ion:264 Resp: 188530

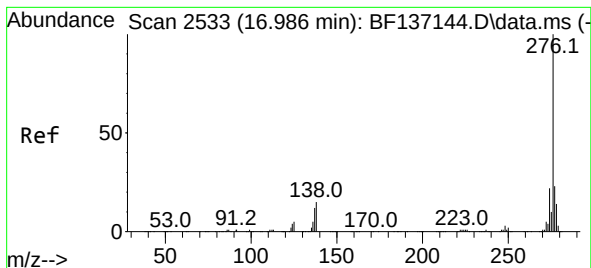
Ion Ratio Lower Upper

264 100

260 24.2 18.5 27.7

265 21.1 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 43.214 ng

RT: 16.986 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF137155.D

Acq: 25 Jan 2024 19:02

Instrument :

BNA_F

ClientSampleId :

72-11985MSD

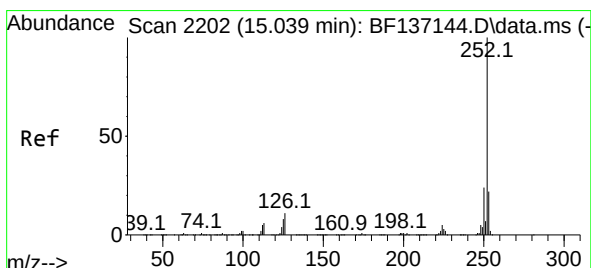
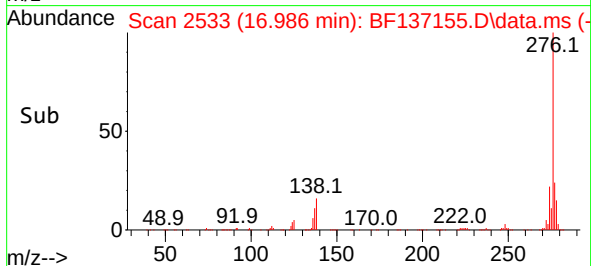
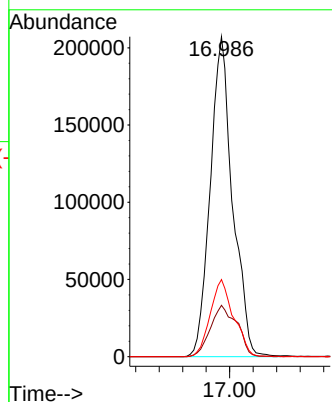
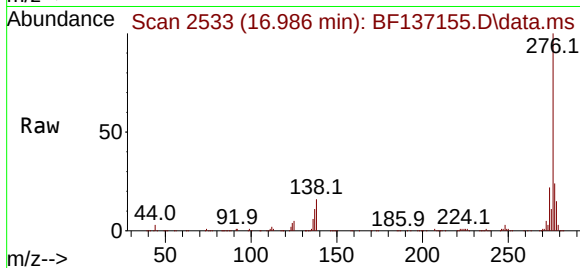
Tgt Ion:276 Resp: 546981

Ion Ratio Lower Upper

276 100

138 19.0 15.4 23.2

277 25.3 20.5 30.7



#88

Benzo(b)fluoranthene

Concen: 45.956 ng

RT: 15.045 min Scan# 2203

Delta R.T. 0.006 min

Lab File: BF137155.D

Acq: 25 Jan 2024 19:02

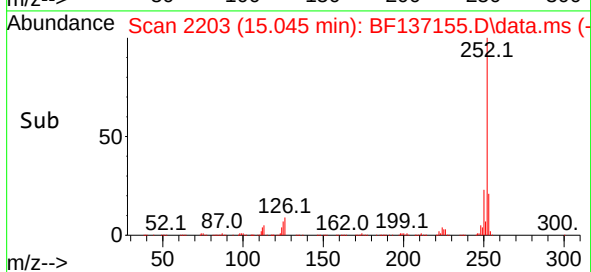
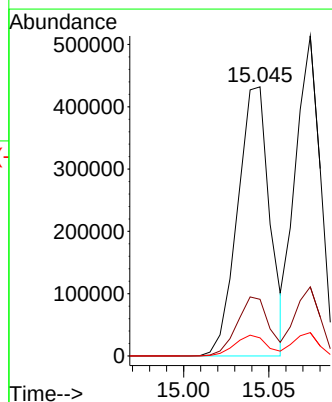
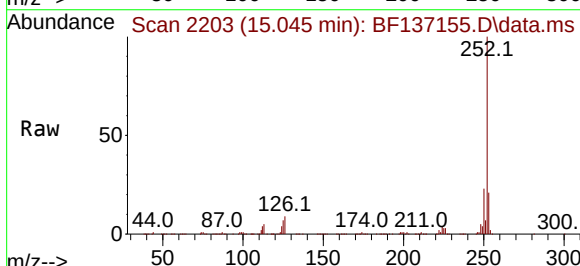
Tgt Ion:252 Resp: 568482

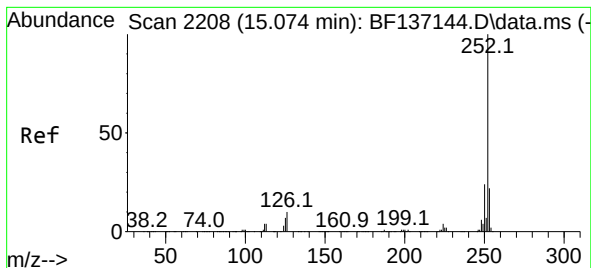
Ion Ratio Lower Upper

252 100

253 21.1 17.7 26.5

125 6.7 6.4 9.6





#89

Benzo(k)fluoranthene

Concen: 43.364 ng

RT: 15.074 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF137155.D

Acq: 25 Jan 2024 19:02

Instrument :

BNA_F

ClientSampleId :

72-11985MSD

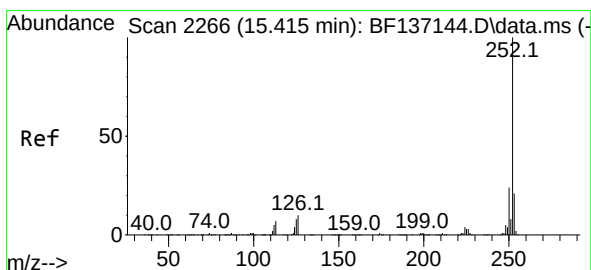
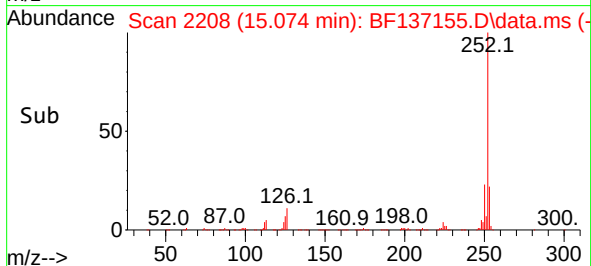
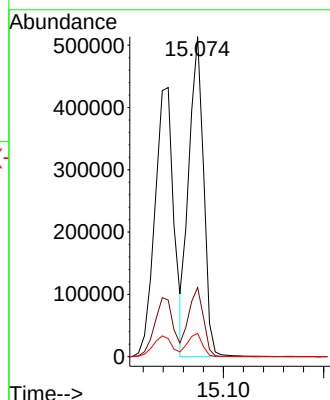
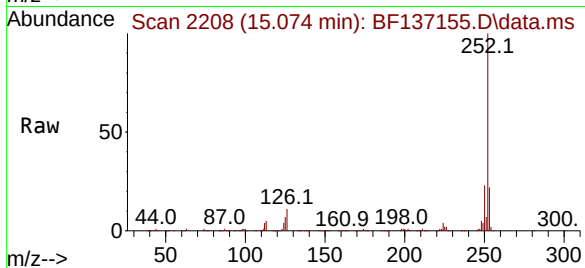
Tgt Ion:252 Resp: 524133

Ion Ratio Lower Upper

252 100

253 21.6 17.9 26.9

125 7.3 5.8 8.8



#90

Benzo(a)pyrene

Concen: 46.297 ng

RT: 15.415 min Scan# 2266

Delta R.T. 0.000 min

Lab File: BF137155.D

Acq: 25 Jan 2024 19:02

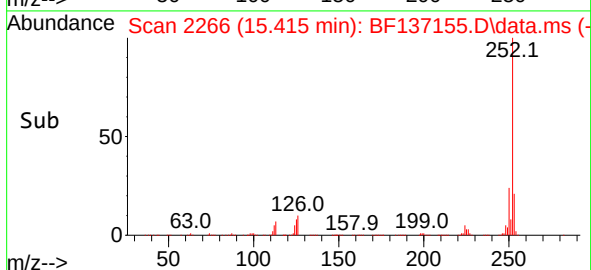
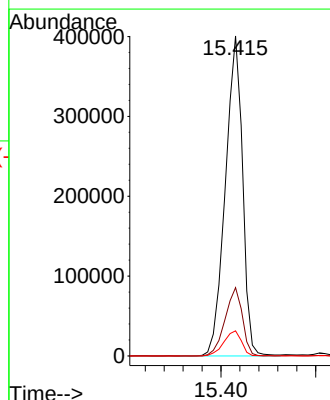
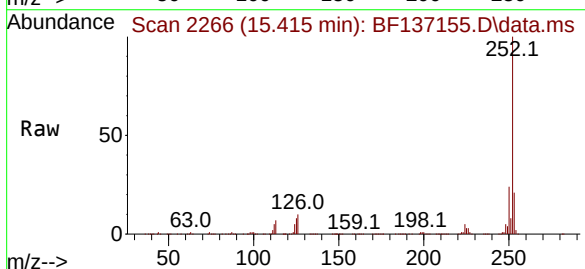
Tgt Ion:252 Resp: 505912

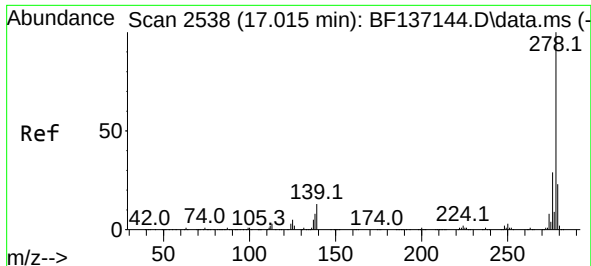
Ion Ratio Lower Upper

252 100

253 21.3 16.8 25.2

125 7.9 6.3 9.5

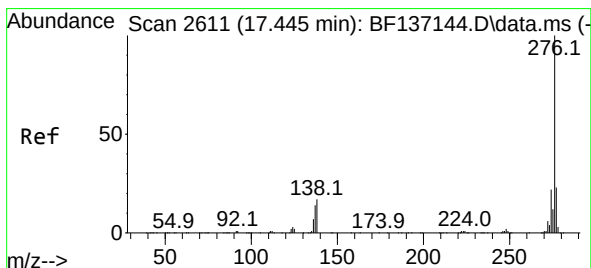
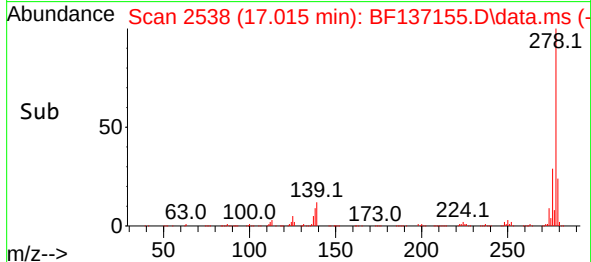
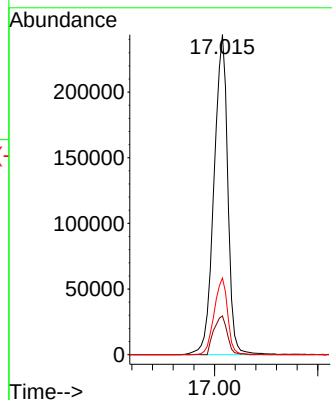
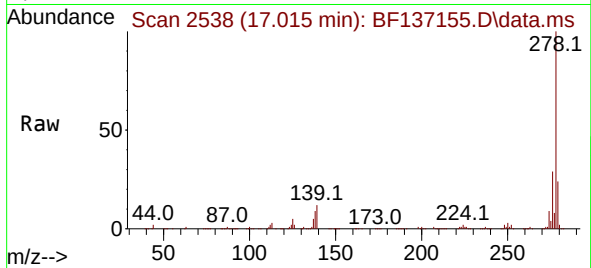




#91
Dibenzo(a,h)anthracene
Concen: 44.234 ng
RT: 17.015 min Scan# 2538
Delta R.T. 0.000 min
Lab File: BF137155.D
Acq: 25 Jan 2024 19:02

Instrument :
BNA_F
ClientSampleId :
72-11985MSD

Tgt Ion:278 Resp: 451267
Ion Ratio Lower Upper
278 100
139 12.1 10.1 15.1
279 23.9 18.5 27.7



#92
Benzo(g,h,i)perylene
Concen: 40.794 ng
RT: 17.445 min Scan# 2611
Delta R.T. 0.000 min
Lab File: BF137155.D
Acq: 25 Jan 2024 19:02

Tgt Ion:276 Resp: 400800
Ion Ratio Lower Upper
276 100
277 22.7 18.6 27.8
138 14.3 13.2 19.8

