

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030624\
 Data File : BF137522.D
 Acq On : 06 Mar 2024 16:55
 Operator : CG\JU
 Sample : P1685-01MSD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-12002MSD

Quant Time: Mar 06 17:14:39 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 06 00:07:28 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	237153	20.000	ng	0.00
21) Naphthalene-d8	8.134	136	899882	20.000	ng	0.00
39) Acenaphthene-d10	9.892	164	489015	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	748602	20.000	ng	0.00
76) Chrysene-d12	14.051	240	409647	20.000	ng	0.00
86) Perylene-d12	15.580	264	489893	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	1223632	78.145	ng	0.01
7) Phenol-d6	6.504	99	1653774	73.168	ng	0.00
23) Nitrobenzene-d5	7.422	82	1040775	53.739	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	318310	74.122	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	1590701	50.919	ng	0.00
79) Terphenyl-d14	12.986	244	1236185	41.496	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.757	88	305400	35.670	ng	100
3) Pyridine	3.534	79	728223	35.267	ng	99
4) n-Nitrosodimethylamine	3.516	42	347110	42.013	ng	99
6) Aniline	6.528	93	621515	22.504	ng	# 86
8) 2-Chlorophenol	6.645	128	685078	41.481	ng	94
9) Benzaldehyde	6.416	77	357057	32.245	ng	99
10) Phenol	6.522	94	964103	39.630	ng	97
11) bis(2-Chloroethyl)ether	6.604	93	721947	40.497	ng	98
12) 1,3-Dichlorobenzene	6.798	146	719996	40.797	ng	99
13) 1,4-Dichlorobenzene	6.875	146	713688	39.525	ng	98
14) 1,2-Dichlorobenzene	7.028	146	685167	41.341	ng	97
15) Benzyl Alcohol	7.004	79	636163	45.210	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.128	45	1127388	36.790	ng	90
17) 2-Methylphenol	7.116	107	557315	36.062	ng	99
18) Hexachloroethane	7.363	117	252090	42.400	ng	94
19) n-Nitroso-di-n-propyla...	7.275	70	510514	36.577	ng	98
20) 3+4-Methylphenols	7.269	107	648619	36.646	ng	96
22) Acetophenone	7.269	105	893589	41.041	ng	98
24) Nitrobenzene	7.440	77	791916	40.704	ng	100
25) Isophorone	7.675	82	1479084	40.199	ng	100
26) 2-Nitrophenol	7.757	139	351868	45.555	ng	93
27) 2,4-Dimethylphenol	7.792	122	493659	34.204	ng	99
28) bis(2-Chloroethoxy)met...	7.892	93	885601	41.022	ng	99
29) 2,4-Dichlorophenol	7.998	162	565780	42.713	ng	98
30) 1,2,4-Trichlorobenzene	8.075	180	595733	42.738	ng	99
31) Naphthalene	8.157	128	1923385	39.837	ng	100
32) Benzoic acid	7.922	122	238479	31.226	ng	98
33) 4-Chloroaniline	8.210	127	174156	9.199	ng	99
34) Hexachlorobutadiene	8.275	225	343920	41.792	ng	99
35) Caprolactam	8.586	113	132892	29.587	ng	97
36) 4-Chloro-3-methylphenol	8.698	107	611186	41.279	ng	99
37) 2-Methylnaphthalene	8.851	142	1186138	38.537	ng	99
38) 1-Methylnaphthalene	8.945	142	1105675	38.145	ng	100
40) 1,2,4,5-Tetrachloroben...	9.016	216	572606	41.943	ng	99
41) Hexachlorocyclopentadiene	8.998	237	393069	71.525	ng	100
43) 2,4,6-Trichlorophenol	9.128	196	382438	43.017	ng	99

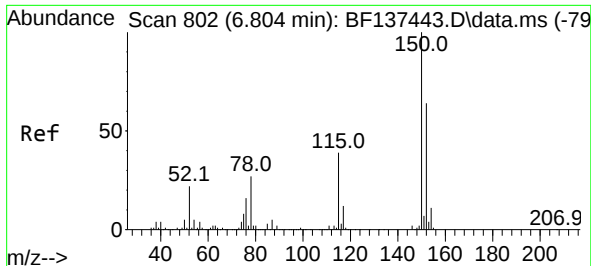
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030624\
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 QLast Update : Wed Mar 06 00:07:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.175	196	409824	40.017	ng	97
46) 1,1'-Biphenyl	9.316	154	1447755	40.450	ng	99
47) 2-Chloronaphthalene	9.339	162	1144928	41.957	ng	99
48) 2-Nitroaniline	9.439	65	405809	43.753	ng	95
49) Acenaphthylene	9.757	152	1796169	41.130	ng	99
50) Dimethylphthalate	9.622	163	1377618	40.469	ng	99
51) 2,6-Dinitrotoluene	9.686	165	299480	42.062	ng	93
52) Acenaphthene	9.928	154	1007563	38.646	ng	99
53) 3-Nitroaniline	9.857	138	163046	21.650	ng	91
54) 2,4-Dinitrophenol	9.963	184	178187	54.259	ng	99
55) Dibenzofuran	10.104	168	1530375	38.540	ng	99
56) 4-Nitrophenol	10.028	139	375731	70.683	ng	98
57) 2,4-Dinitrotoluene	10.092	165	363575	41.563	ng	96
58) Fluorene	10.445	166	1152839	37.803	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.222	232	320157	38.984	ng	94
60) Diethylphthalate	10.328	149	1280331	39.829	ng	99
61) 4-Chlorophenyl-phenyle...	10.439	204	558493	37.368	ng	97
62) 4-Nitroaniline	10.475	138	233278	36.039	ng	97
63) Azobenzene	10.604	77	1444716	39.030	ng	99
65) 4,6-Dinitro-2-methylph...	10.498	198	155675	37.311	ng	99
66) n-Nitrosodiphenylamine	10.563	169	1027080	42.607	ng	100
67) 4-Bromophenyl-phenylether	10.933	248	357341	43.826	ng	98
68) Hexachlorobenzene	10.992	284	377262	45.810	ng	97
69) Atrazine	11.098	200	328812	44.870	ng	98
70) Pentachlorophenol	11.192	266	357841	71.879	ng	100
71) Phenanthrene	11.416	178	1673827	41.085	ng	99
72) Anthracene	11.469	178	1646377	39.347	ng	100
73) Carbazole	11.627	167	1411887	39.393	ng	99
74) Di-n-butylphthalate	11.963	149	1805144	42.332	ng	99
75) Fluoranthene	12.610	202	1500756	37.686	ng	99
77) Benzidine	12.739	184	522864	52.156	ng	98
78) Pyrene	12.839	202	1508165	37.521	ng	100
80) Butylbenzylphthalate	13.474	149	517343	50.397	ng	98
81) Benzo(a)anthracene	14.039	228	1219865	42.487	ng	99
82) 3,3'-Dichlorobenzidine	14.010	252	300247	39.269	ng	98
83) Chrysene	14.080	228	1245888	42.934	ng	99
84) Bis(2-ethylhexyl)phtha...	14.045	149	702157	53.815	ng #	99
85) Di-n-octyl phthalate	14.668	149	1410978	55.163	ng	98
87) Indeno(1,2,3-cd)pyrene	17.168	276	1068206	33.135	ng	98
88) Benzo(b)fluoranthene	15.127	252	1269668	43.813	ng	99
89) Benzo(k)fluoranthene	15.157	252	1284471	41.266	ng	98
90) Benzo(a)pyrene	15.515	252	1210338	42.383	ng	99
91) Dibenzo(a,h)anthracene	17.192	278	856758	32.761	ng	98
92) Benzo(g,h,i)perylene	17.651	276	764707	28.472	ng	98

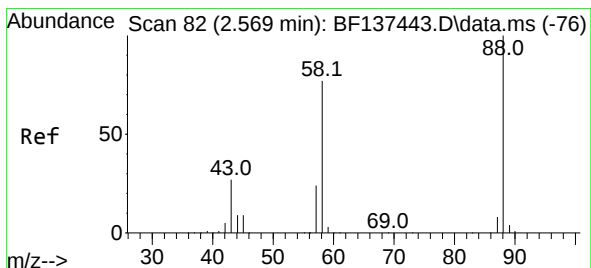
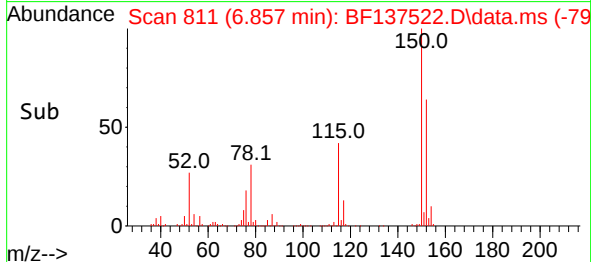
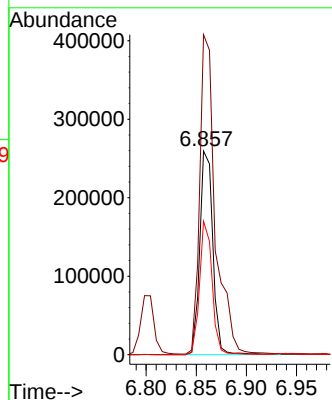
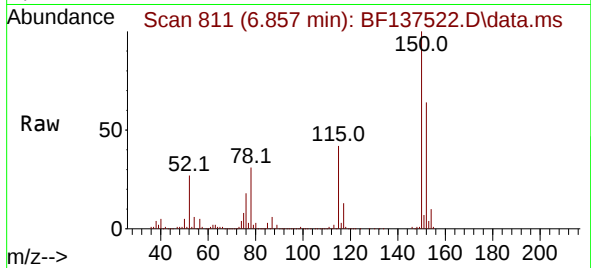
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#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.857 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BF137522.D
 Acq: 06 Mar 2024 16:55

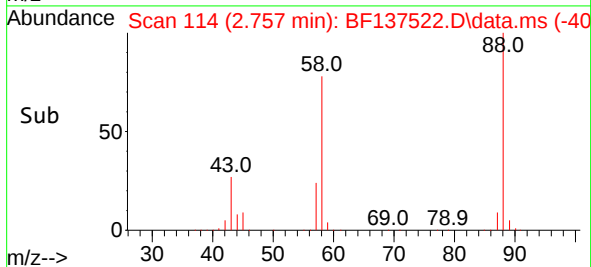
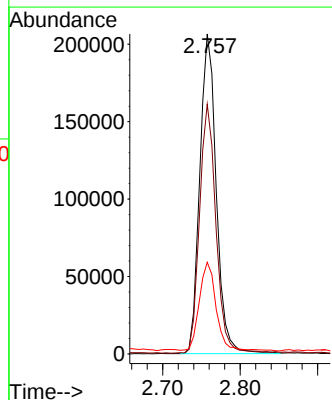
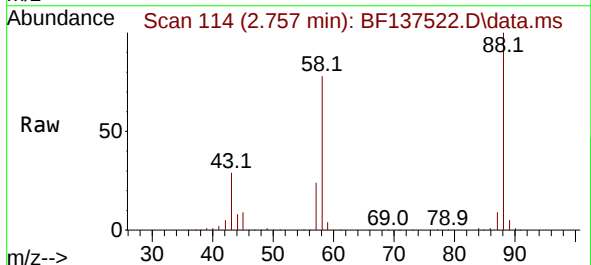
Instrument :
 BNA_F
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 72-12002MSD

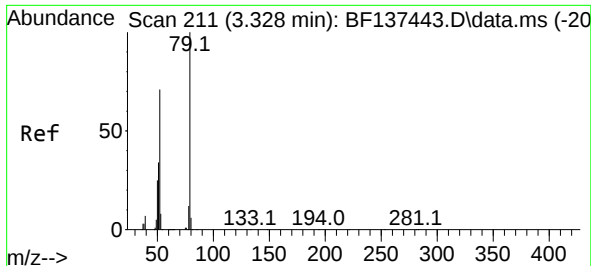
Tgt Ion:152 Resp: 237153
 Ion Ratio Lower Upper
 152 100
 150 157.2 125.8 188.6
 115 65.5 48.8 73.2



#2
 1,4-Dioxane
 Concen: 35.670 ng
 RT: 2.757 min Scan# 114
 Delta R.T. 0.083 min
 Lab File: BF137522.D
 Acq: 06 Mar 2024 16:55

Tgt Ion: 88 Resp: 305400
 Ion Ratio Lower Upper
 88 100
 58 77.3 61.8 92.8
 43 28.6 22.2 33.4

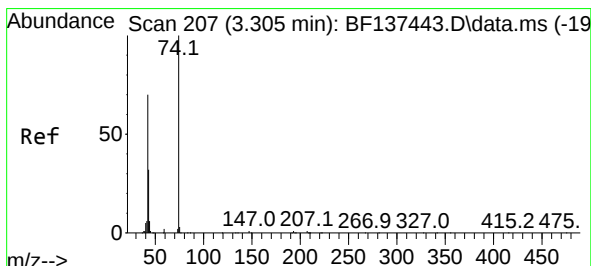
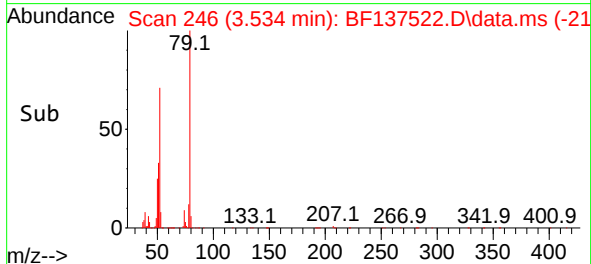
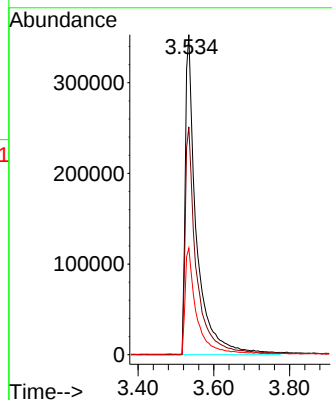
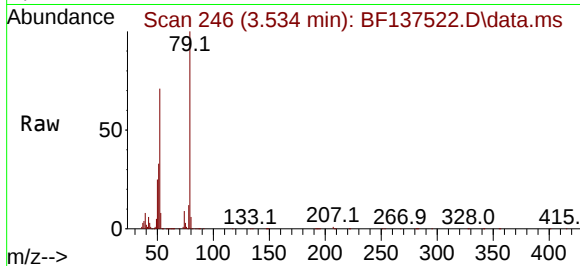




#3
Pyridine
Concen: 35.267 ng
RT: 3.534 min Scan# 24
Delta R.T. 0.071 min
Lab File: BF137522.D
Acq: 06 Mar 2024 16:55

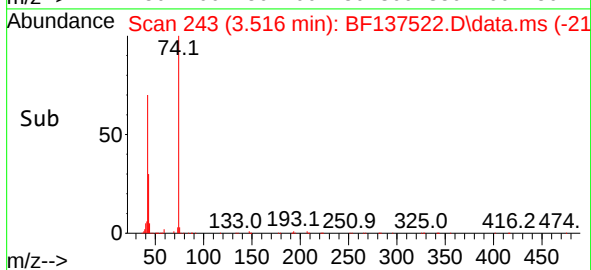
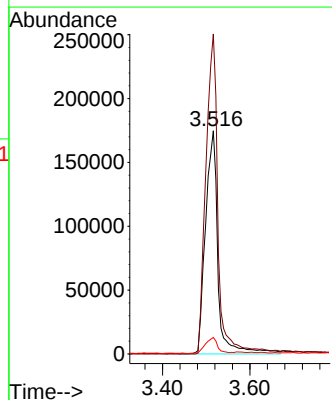
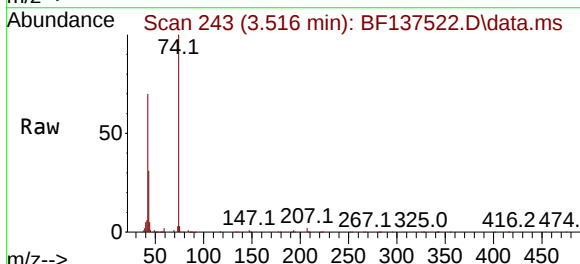
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BNA_F
ClientSampleId :
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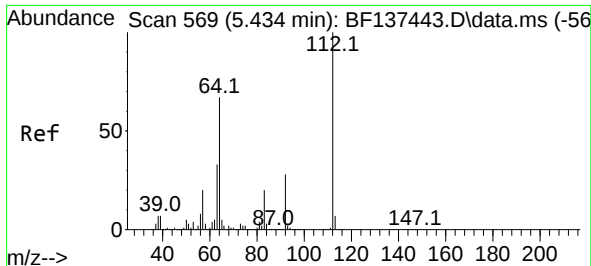
Tgt Ion: 79 Resp: 728223
Ion Ratio Lower Upper
79 100
52 71.2 57.0 85.4
51 33.4 27.5 41.3



#4
n-Nitrosodimethylamine
Concen: 42.013 ng
RT: 3.516 min Scan# 243
Delta R.T. 0.071 min
Lab File: BF137522.D
Acq: 06 Mar 2024 16:55

Tgt Ion: 42 Resp: 347110
Ion Ratio Lower Upper
42 100
74 143.3 114.0 171.0
44 7.4 7.0 10.4

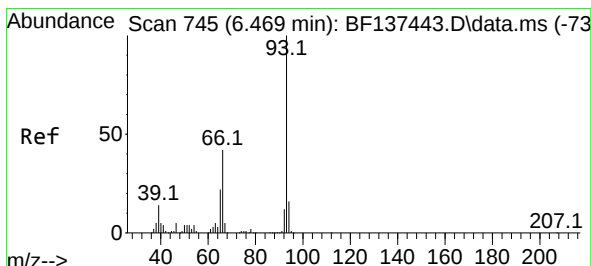
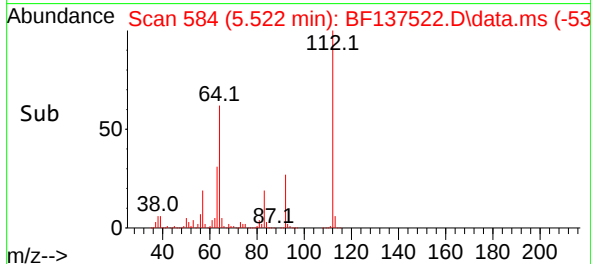
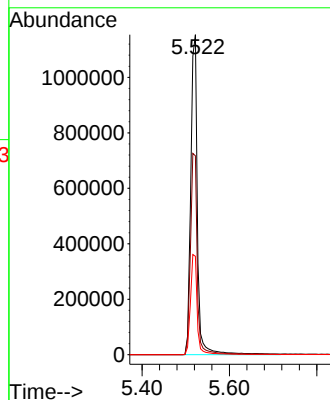
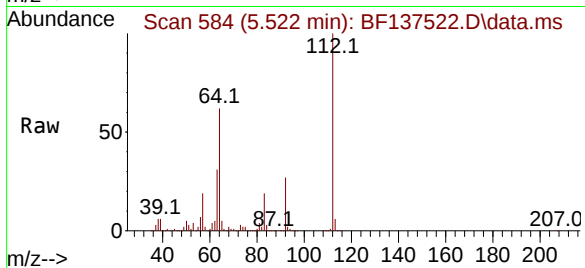




#5
2-Fluorophenol
Concen: 78.145 ng
RT: 5.522 min Scan# 51
Delta R.T. 0.012 min
Lab File: BF137522.D
Acq: 06 Mar 2024 16:55

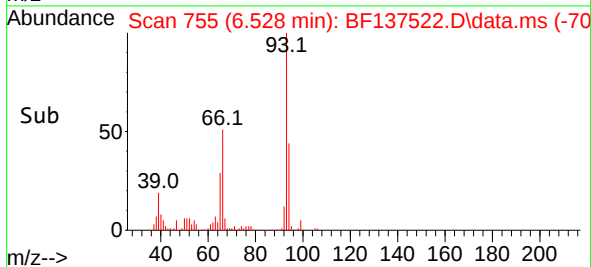
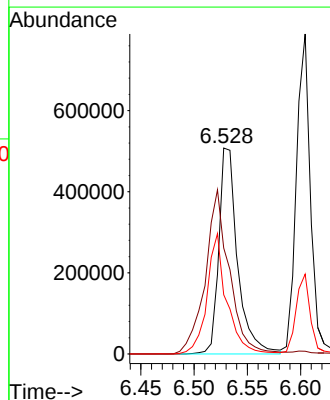
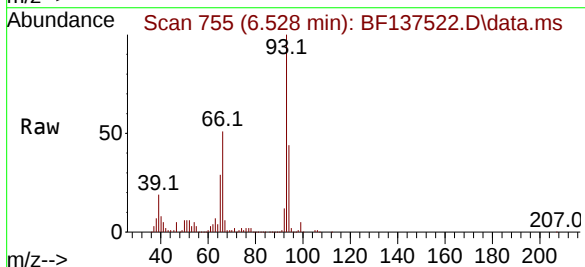
Instrument :
BNA_F
ClientSampleId :
72-12002MSD

Tgt Ion:112 Resp: 1223632
Ion Ratio Lower Upper
112 100
64 62.2 53.4 80.2
63 30.8 26.2 39.2



#6
Aniline
Concen: 22.504 ng
RT: 6.528 min Scan# 755
Delta R.T. -0.006 min
Lab File: BF137522.D
Acq: 06 Mar 2024 16:55

Tgt Ion: 93 Resp: 621515
Ion Ratio Lower Upper
93 100
66 51.5 34.0 51.0#
65 28.8 17.8 26.8#

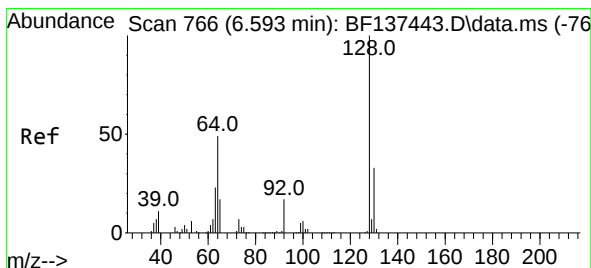
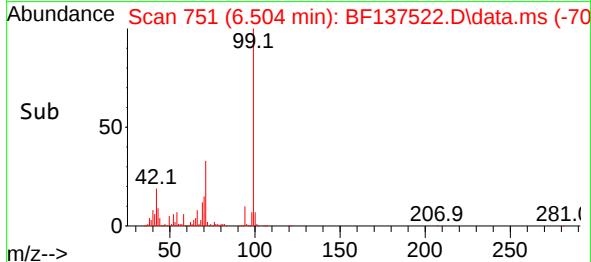
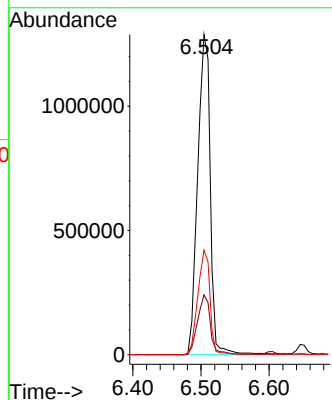
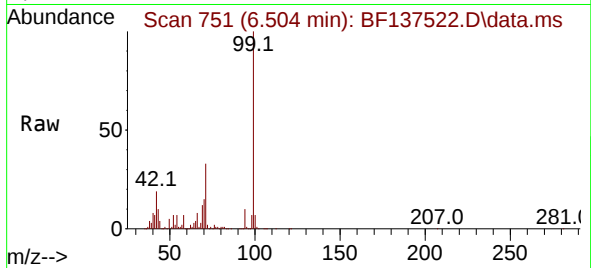




#7
Phenol-d6
Concen: 73.168 ng
RT: 6.504 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF137522.D
Acq: 06 Mar 2024 16:55

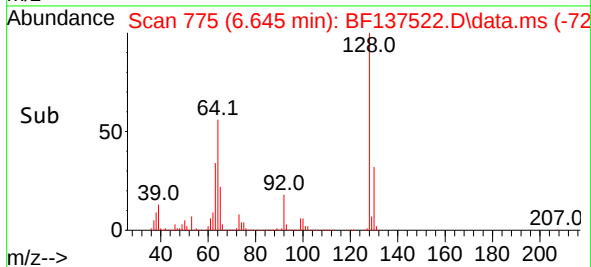
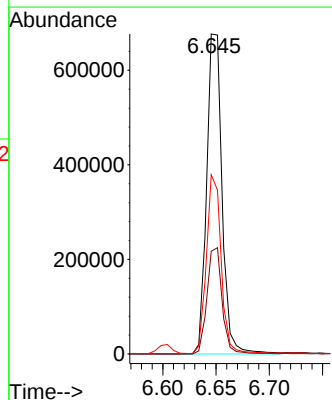
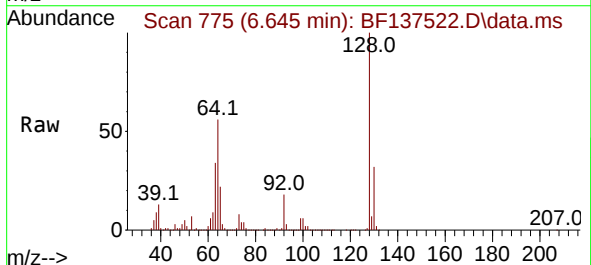
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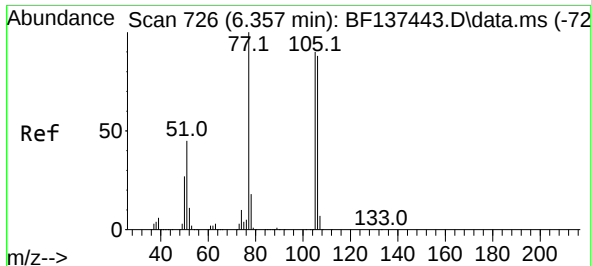
Tgt Ion: 99 Resp: 1653774
Ion Ratio Lower Upper
99 100
42 18.7 14.6 21.8
71 32.6 25.3 37.9



#8
2-Chlorophenol
Concen: 41.481 ng
RT: 6.645 min Scan# 775
Delta R.T. -0.006 min
Lab File: BF137522.D
Acq: 06 Mar 2024 16:55

Tgt Ion: 128 Resp: 685078
Ion Ratio Lower Upper
128 100
130 32.1 13.4 53.4
64 56.0 30.0 70.0





#9

Benzaldehyde

Concen: 32.245 ng

RT: 6.416 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF137522.D

Acq: 06 Mar 2024 16:55

Instrument :

BNA_F

ClientSampleId :

72-12002MSD

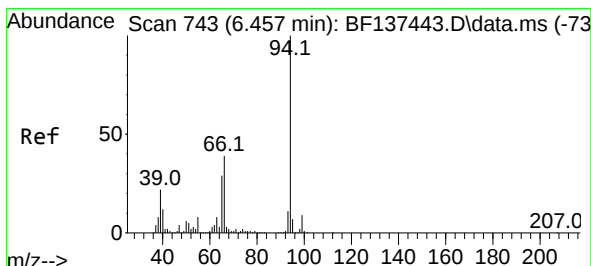
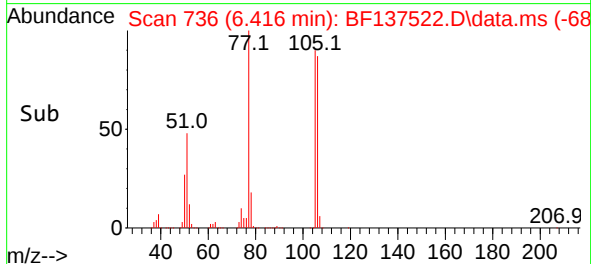
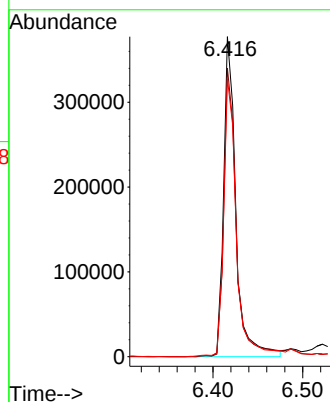
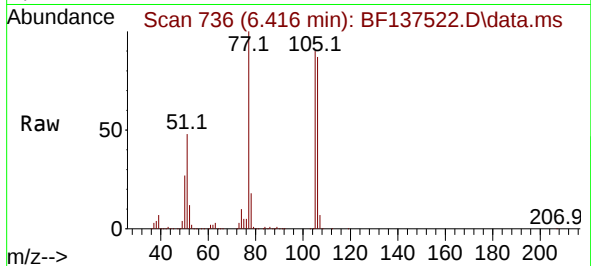
Tgt Ion: 77 Resp: 357057

Ion Ratio Lower Upper

77 100

105 90.2 69.8 109.8

106 86.9 67.8 107.8



#10

Phenol

Concen: 39.630 ng

RT: 6.522 min Scan# 754

Delta R.T. 0.006 min

Lab File: BF137522.D

Acq: 06 Mar 2024 16:55

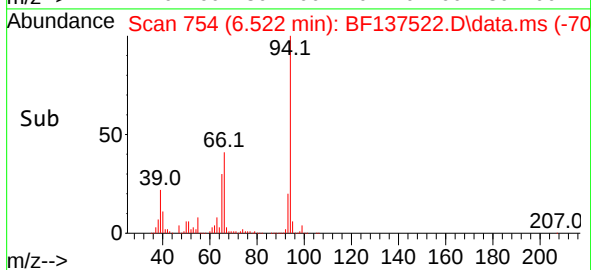
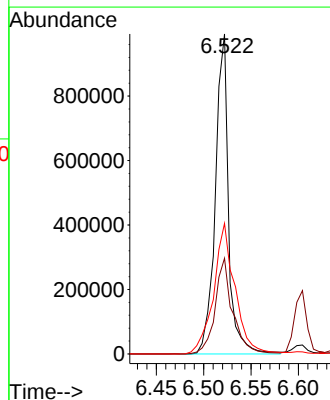
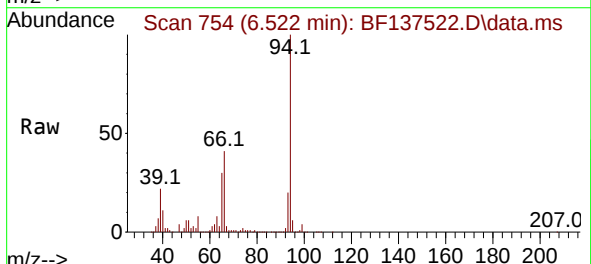
Tgt Ion: 94 Resp: 964103

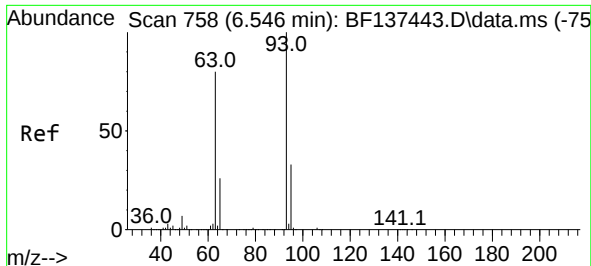
Ion Ratio Lower Upper

94 100

65 29.9 8.7 48.7

66 40.8 18.6 58.6





#11

bis(2-Chloroethyl)ether

Concen: 40.497 ng

RT: 6.604 min Scan# 7

Delta R.T. 0.000 min

Lab File: BF137522.D

Acq: 06 Mar 2024 16:55

Instrument :

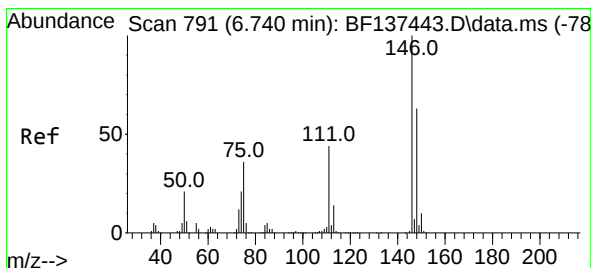
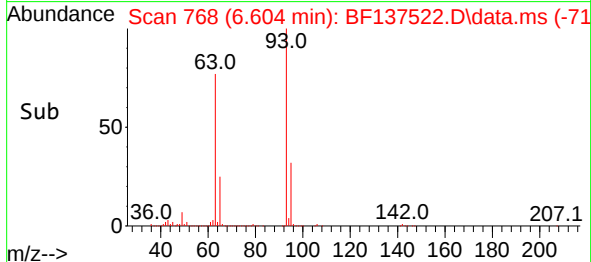
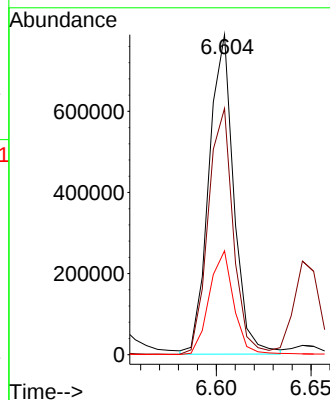
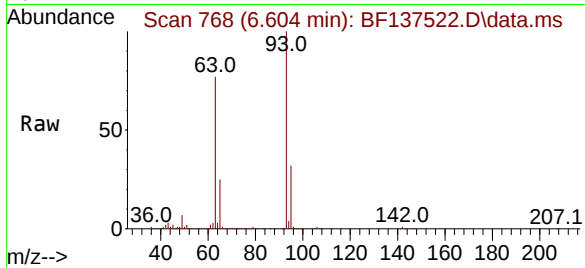
BNA_F

ClientSampleId :

72-12002MSD

Tgt Ion: 93 Resp: 721947

Ion	Ratio	Lower	Upper
93	100		
63	76.9	58.9	98.9
95	32.5	12.2	52.2



#12

1,3-Dichlorobenzene

Concen: 40.797 ng

RT: 6.798 min Scan# 801

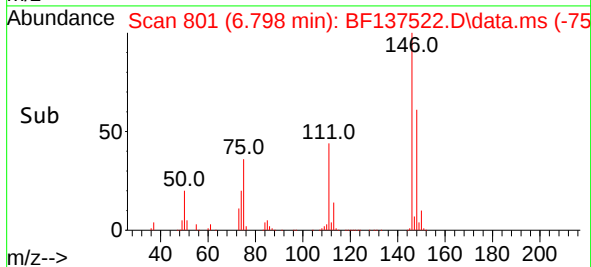
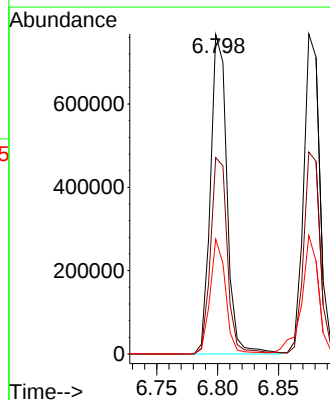
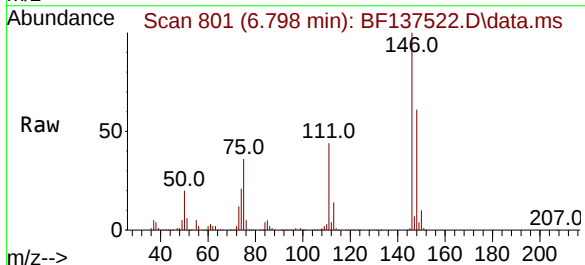
Delta R.T. -0.006 min

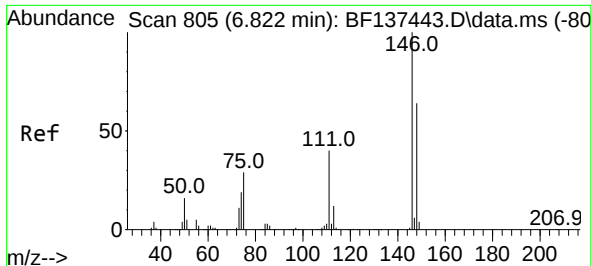
Lab File: BF137522.D

Acq: 06 Mar 2024 16:55

Tgt Ion: 146 Resp: 719996

Ion	Ratio	Lower	Upper
146	100		
148	61.4	50.3	75.5
75	35.9	29.0	43.4





#13

1,4-Dichlorobenzene

Concen: 39.525 ng

RT: 6.875 min Scan# 814

Delta R.T. -0.006 min

Lab File: BF137522.D

Acq: 06 Mar 2024 16:55

Instrument :

BNA_F

ClientSampleId :

72-12002MSD

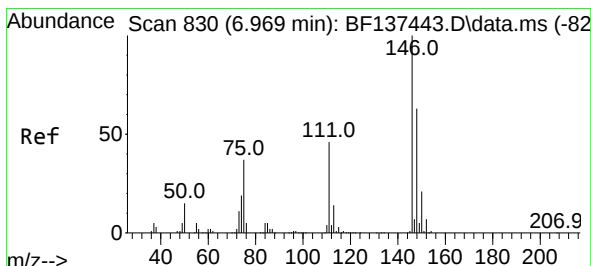
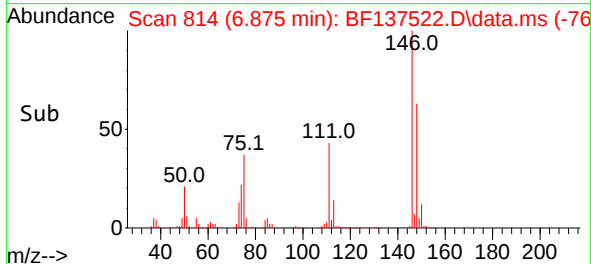
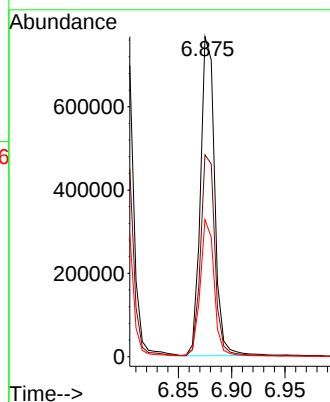
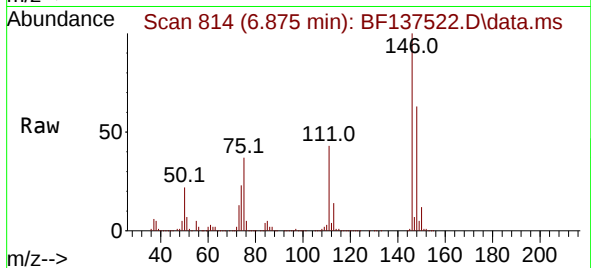
Tgt Ion:146 Resp: 713688

Ion Ratio Lower Upper

146 100

148 63.1 51.2 76.8

111 42.8 32.4 48.6



#14

1,2-Dichlorobenzene

Concen: 41.341 ng

RT: 7.028 min Scan# 840

Delta R.T. 0.000 min

Lab File: BF137522.D

Acq: 06 Mar 2024 16:55

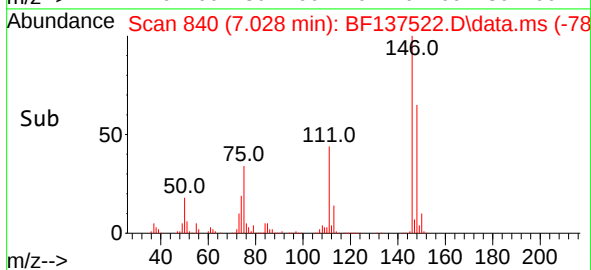
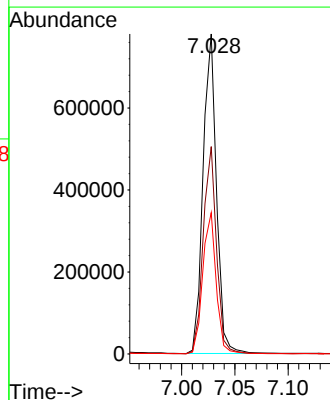
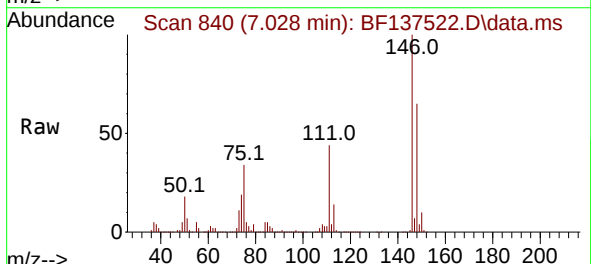
Tgt Ion:146 Resp: 685167

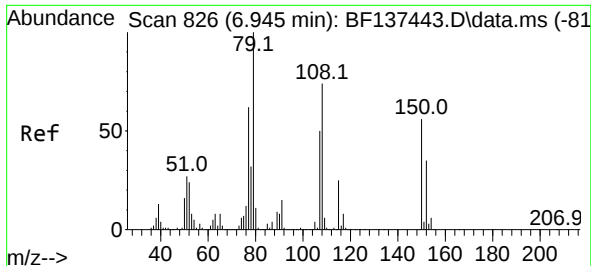
Ion Ratio Lower Upper

146 100

148 64.8 50.0 75.0

111 44.2 36.8 55.2

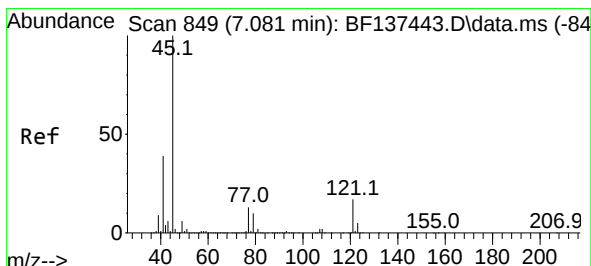
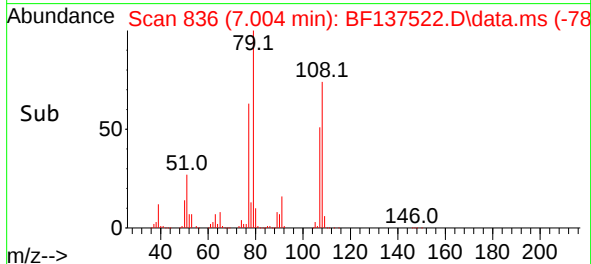
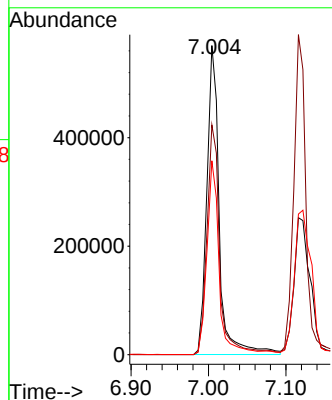
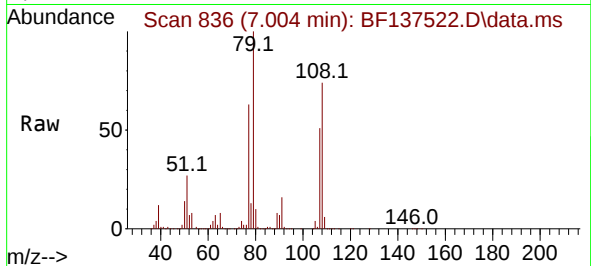




#15
Benzyl Alcohol
Concen: 45.210 ng
RT: 7.004 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF137522.D
Acq: 06 Mar 2024 16:55

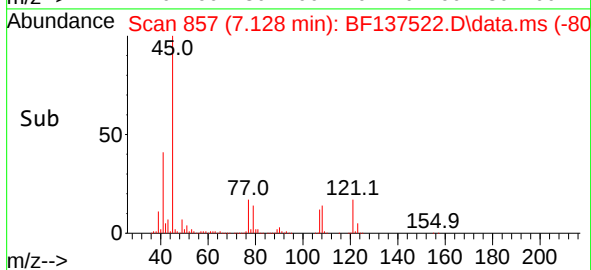
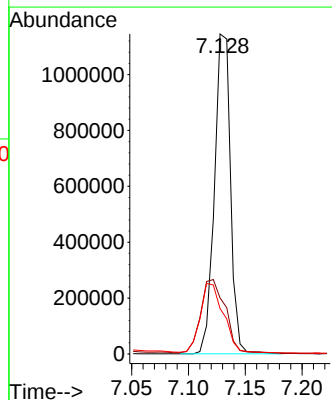
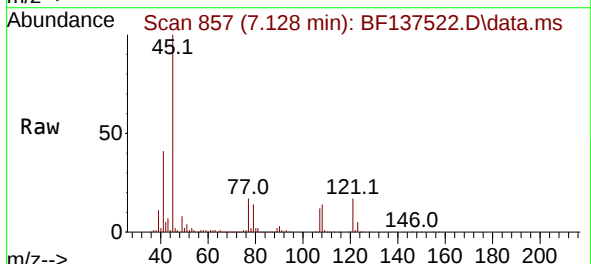
Instrument :
BNA_F
ClientSampleId :
72-12002MSD

Tgt Ion: 79 Resp: 636163
Ion Ratio Lower Upper
79 100
108 74.3 59.5 89.3
77 62.8 50.0 75.0



#16
2,2'-oxybis(1-Chloropropane)
Concen: 36.790 ng
RT: 7.128 min Scan# 857
Delta R.T. -0.012 min
Lab File: BF137522.D
Acq: 06 Mar 2024 16:55

Tgt Ion: 45 Resp: 1127388
Ion Ratio Lower Upper
45 100
77 17.5 0.0 33.4
79 14.2 0.0 30.9



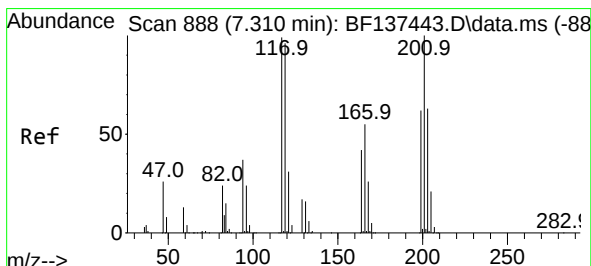
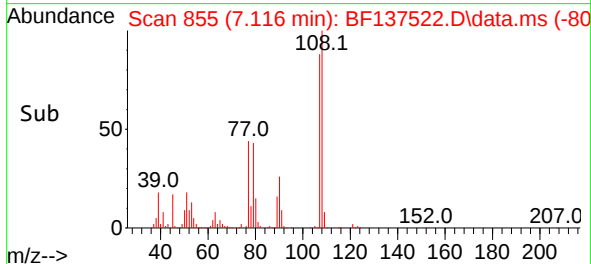
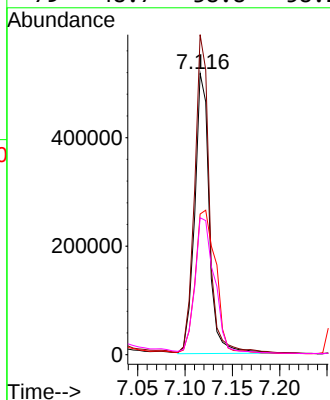
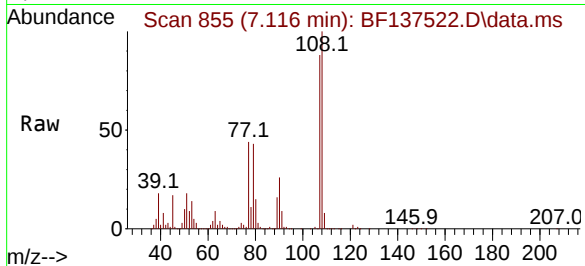


#17
2-Methylphenol
Concen: 36.062 ng
RT: 7.116 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF137522.D
Acq: 06 Mar 2024 16:55

Instrument :
BNA_F
ClientSampleId :
72-12002MSD

Tgt Ion:107 Resp: 557315

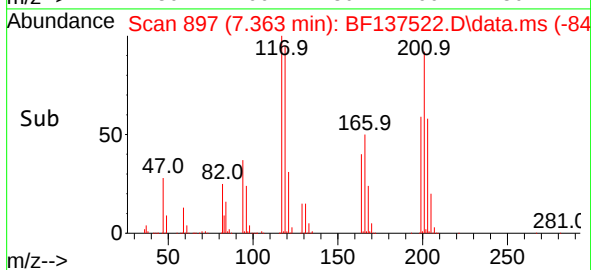
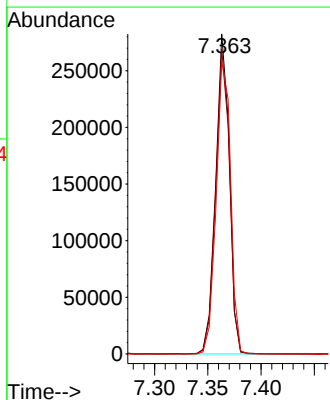
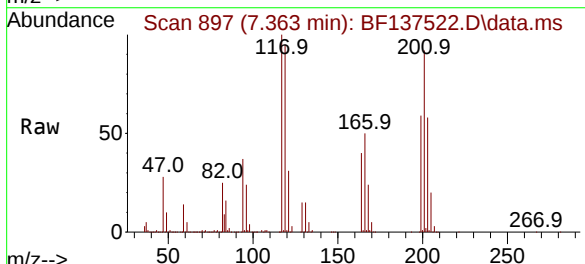
Ion	Ratio	Lower	Upper
107	100		
108	113.8	92.2	138.4
77	50.0	38.6	57.8
79	48.7	38.8	58.2

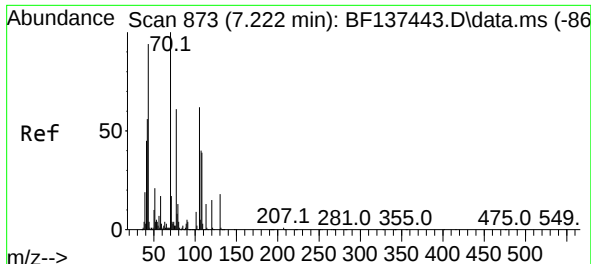


#18
Hexachloroethane
Concen: 42.400 ng
RT: 7.363 min Scan# 897
Delta R.T. 0.000 min
Lab File: BF137522.D
Acq: 06 Mar 2024 16:55

Tgt Ion:117 Resp: 252090

Ion	Ratio	Lower	Upper
117	100		
119	95.3	77.5	116.3
201	91.5	80.6	121.0



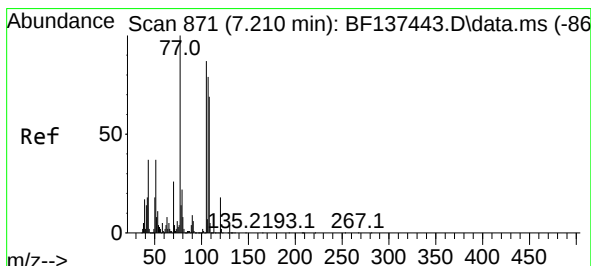
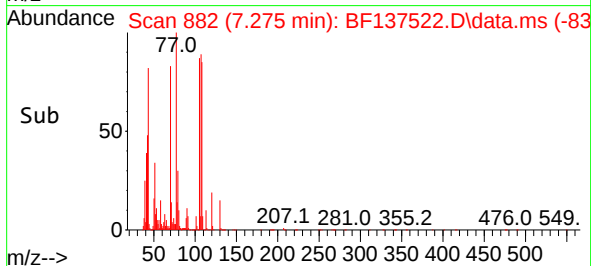
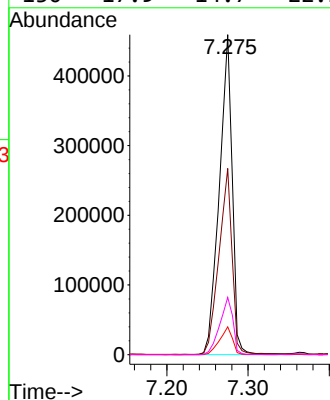
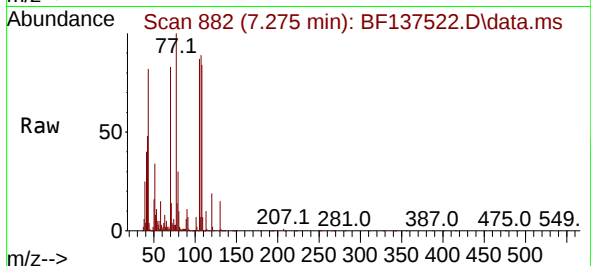


#19
n-Nitroso-di-n-propylamine
Concen: 36.577 ng
RT: 7.275 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF137522.D
Acq: 06 Mar 2024 16:55

Instrument :
BNA_F
ClientSampleId :
72-12002MSD

Tgt Ion: 70 Resp: 510514

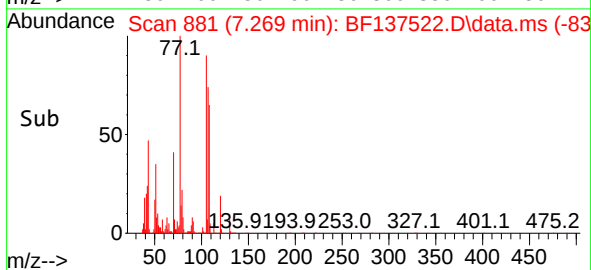
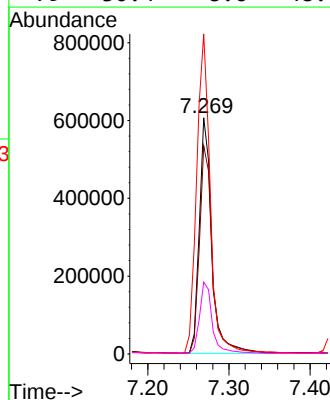
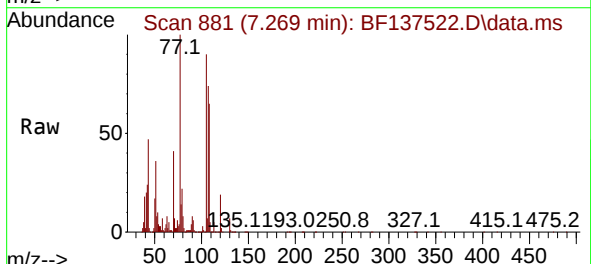
Ion	Ratio	Lower	Upper
70	100		
42	58.2	45.2	67.8
101	8.7	7.3	10.9
130	17.9	14.7	22.1

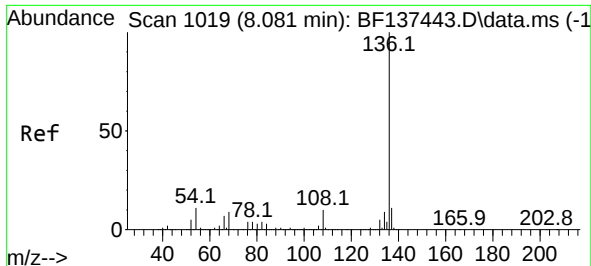


#20
3+4-Methylphenols
Concen: 36.646 ng
RT: 7.269 min Scan# 881
Delta R.T. 0.000 min
Lab File: BF137522.D
Acq: 06 Mar 2024 16:55

Tgt Ion: 107 Resp: 648619

Ion	Ratio	Lower	Upper
107	100		
108	88.1	67.6	107.6
77	135.5	107.1	147.1
79	30.4	8.6	48.6

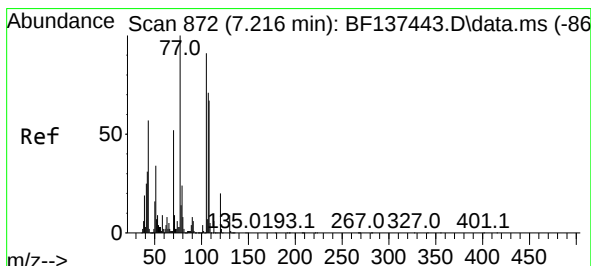
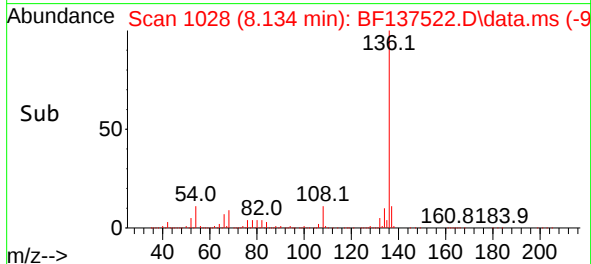
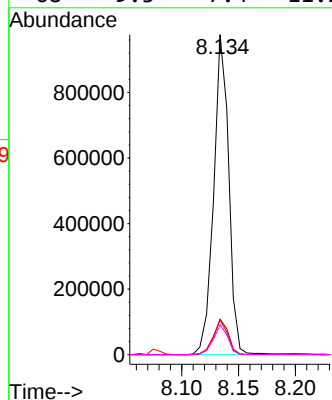
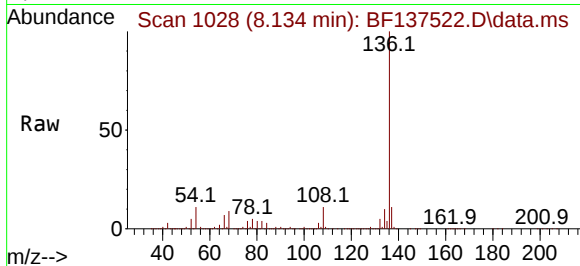




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF137522.D
Acq: 06 Mar 2024 16:55

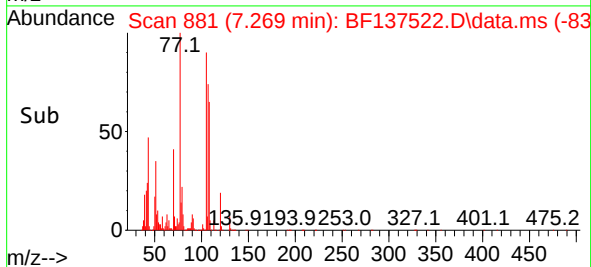
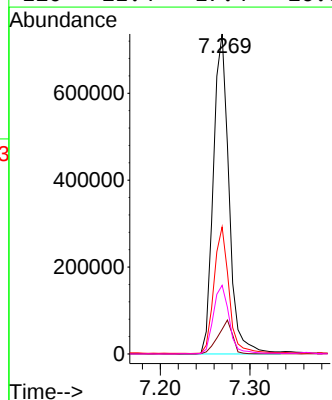
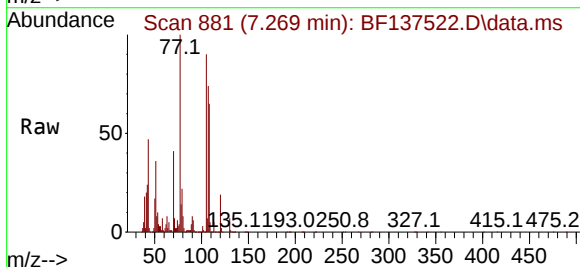
Instrument :
BNA_F
ClientSampleId :
72-12002MSD

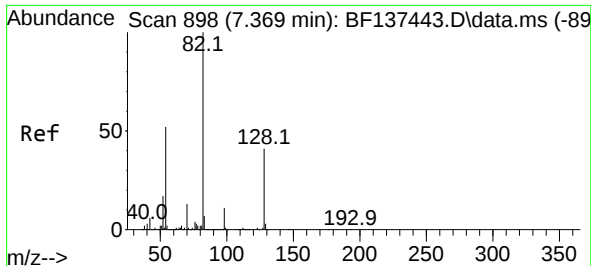
Tgt Ion:136 Resp: 899882
Ion Ratio Lower Upper
136 100
137 11.1 9.1 13.7
54 10.8 8.5 12.7
68 9.3 7.4 11.2



#22
Acetophenone
Concen: 41.041 ng
RT: 7.269 min Scan# 881
Delta R.T. 0.000 min
Lab File: BF137522.D
Acq: 06 Mar 2024 16:55

Tgt Ion:105 Resp: 893589
Ion Ratio Lower Upper
105 100
71 7.7 7.7 11.5
51 39.7 30.4 45.6
120 21.4 17.4 26.0





#23

Nitrobenzene-d5

Concen: 53.739 ng

RT: 7.422 min Scan# 907

Delta R.T. -0.006 min

Lab File: BF137522.D

Acq: 06 Mar 2024 16:55

Instrument :

BNA_F

ClientSampleId :

72-12002MSD

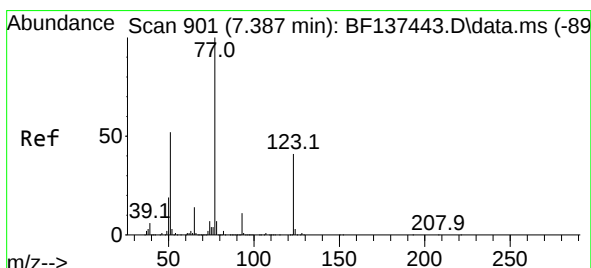
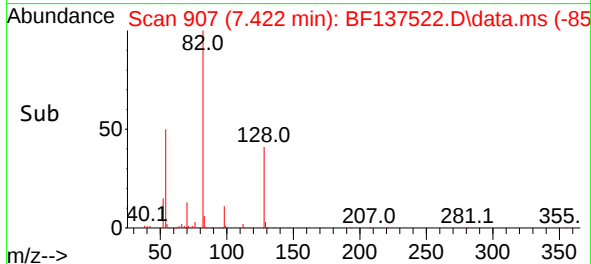
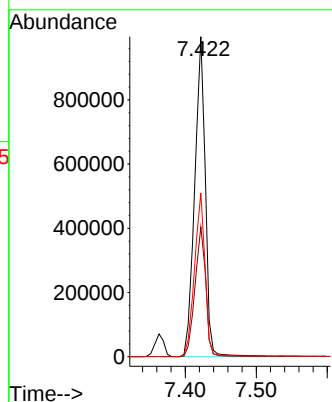
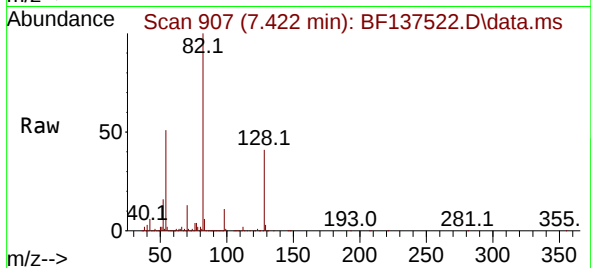
Tgt Ion: 82 Resp: 1040775

Ion Ratio Lower Upper

82 100

128 40.6 32.5 48.7

54 51.1 41.5 62.3



#24

Nitrobenzene

Concen: 40.704 ng

RT: 7.440 min Scan# 910

Delta R.T. -0.006 min

Lab File: BF137522.D

Acq: 06 Mar 2024 16:55

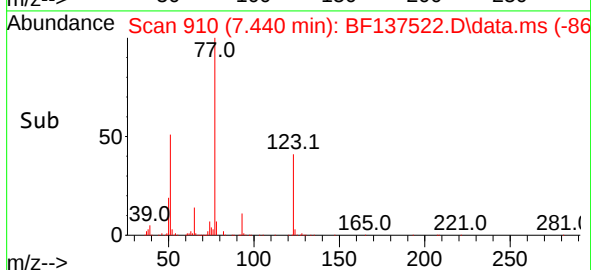
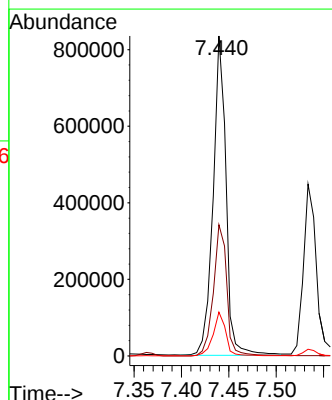
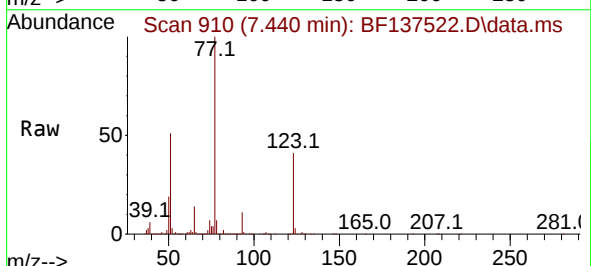
Tgt Ion: 77 Resp: 791916

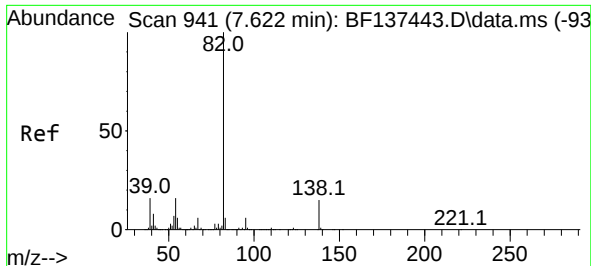
Ion Ratio Lower Upper

77 100

123 41.0 33.0 49.6

65 13.7 10.9 16.3

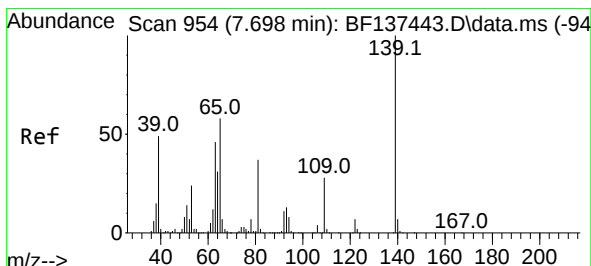
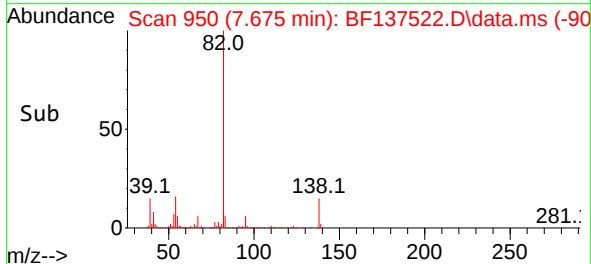
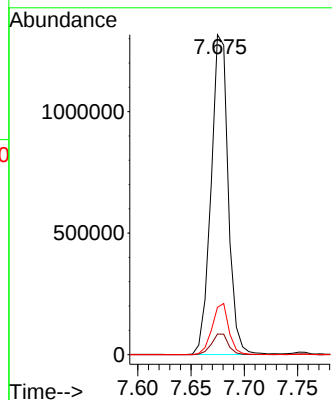
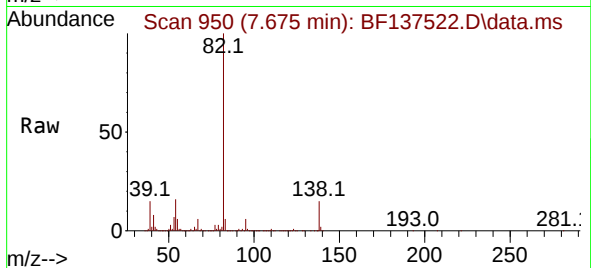




#25
Isophorone
Concen: 40.199 ng
RT: 7.675 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF137522.D
Acq: 06 Mar 2024 16:55

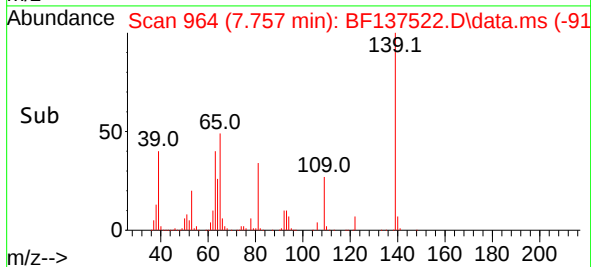
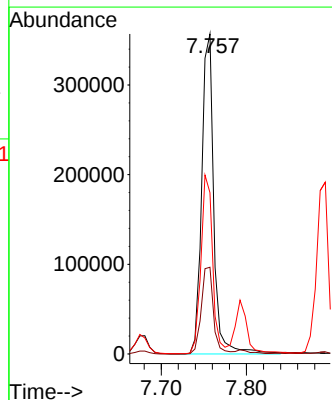
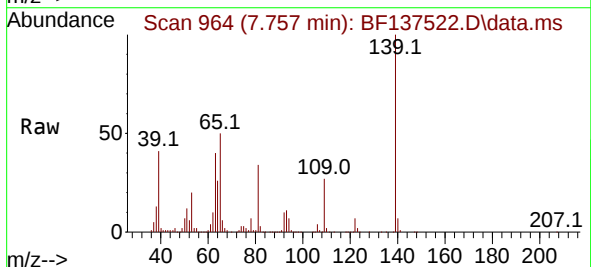
Instrument :
BNA_F
ClientSampleId :
72-12002MSD

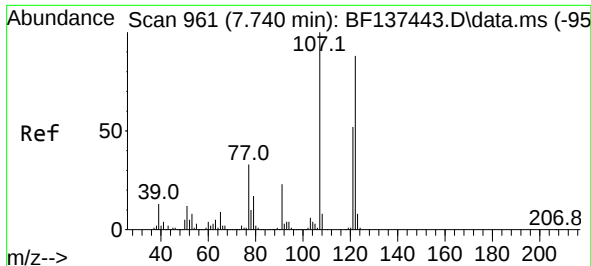
Tgt Ion: 82 Resp: 1479084
Ion Ratio Lower Upper
82 100
95 6.5 5.1 7.7
138 14.8 11.8 17.8



#26
2-Nitrophenol
Concen: 45.555 ng
RT: 7.757 min Scan# 964
Delta R.T. 0.000 min
Lab File: BF137522.D
Acq: 06 Mar 2024 16:55

Tgt Ion:139 Resp: 351868
Ion Ratio Lower Upper
139 100
109 27.1 22.2 33.4
65 50.4 46.2 69.2

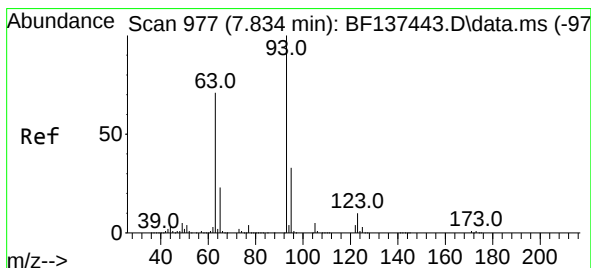
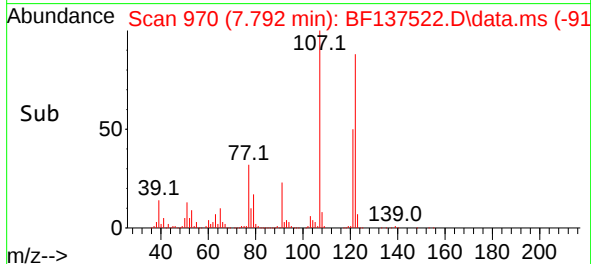
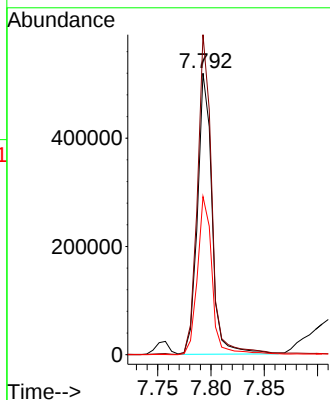
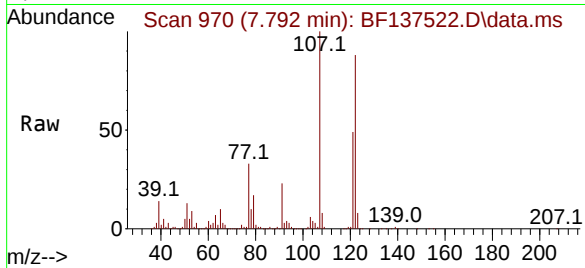




#27
2,4-Dimethylphenol
Concen: 34.204 ng
RT: 7.792 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF137522.D
Acq: 06 Mar 2024 16:55

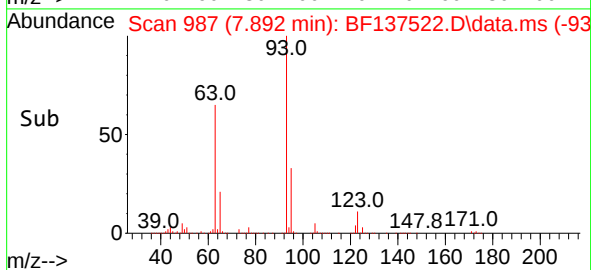
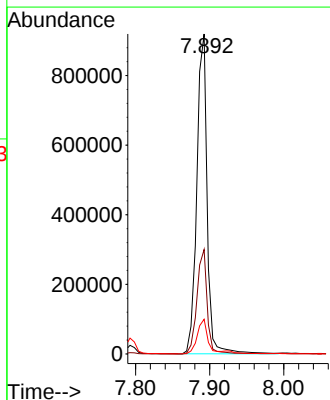
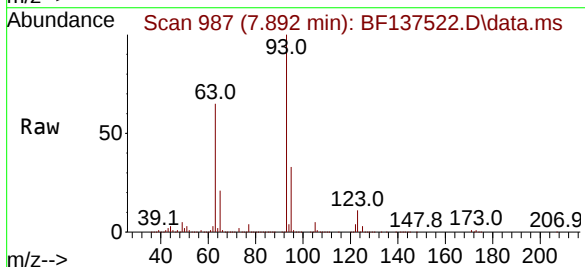
Instrument :
BNA_F
ClientSampleId :
72-12002MSD

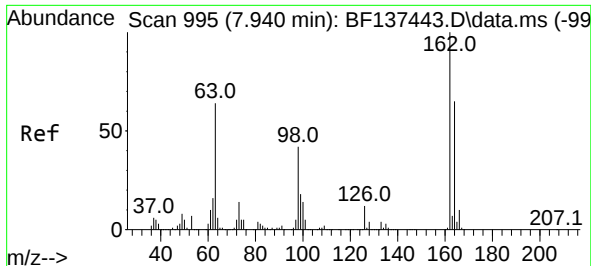
Tgt Ion:122 Resp: 493659
Ion Ratio Lower Upper
122 100
107 113.7 90.9 136.3
121 56.1 47.0 70.6



#28
bis(2-Chloroethoxy)methane
Concen: 41.022 ng
RT: 7.892 min Scan# 987
Delta R.T. 0.000 min
Lab File: BF137522.D
Acq: 06 Mar 2024 16:55

Tgt Ion: 93 Resp: 885601
Ion Ratio Lower Upper
93 100
95 32.7 26.5 39.7
123 10.8 8.0 12.0

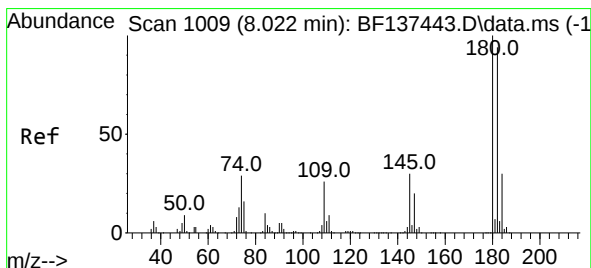
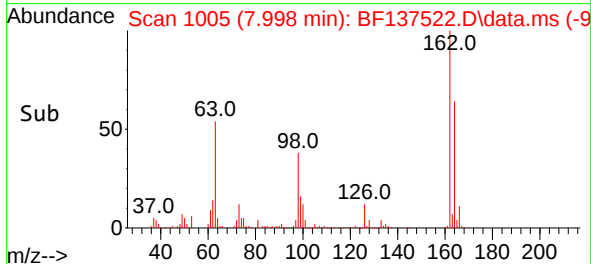
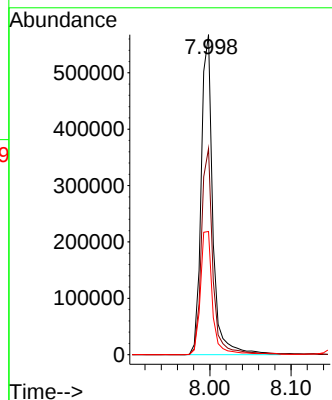
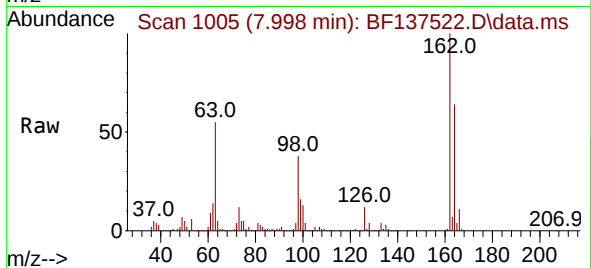




#29
2,4-Dichlorophenol
Concen: 42.713 ng
RT: 7.998 min Scan# 1018
Delta R.T. 0.000 min
Lab File: BF137522.D
Acq: 06 Mar 2024 16:55

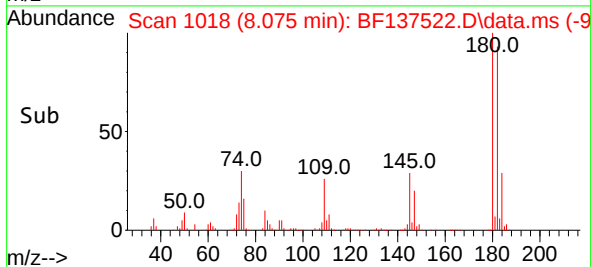
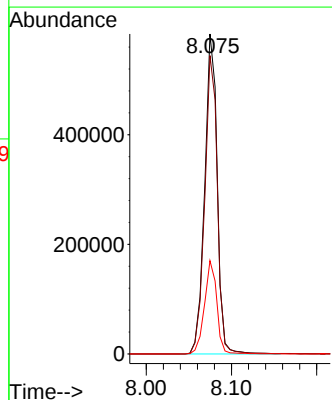
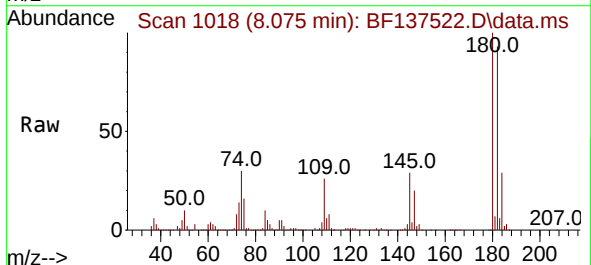
Instrument :
BNA_F
ClientSampleId :
72-12002MSD

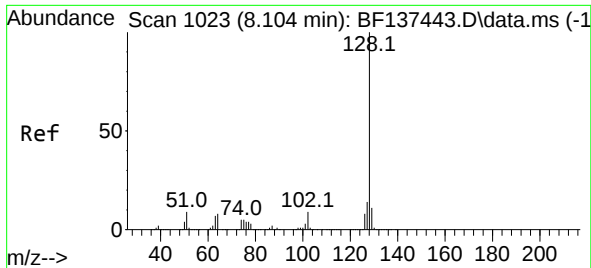
Tgt Ion:162 Resp: 565780
Ion Ratio Lower Upper
162 100
164 64.4 44.7 84.7
98 38.5 22.0 62.0



#30
1,2,4-Trichlorobenzene
Concen: 42.738 ng
RT: 8.075 min Scan# 1018
Delta R.T. 0.000 min
Lab File: BF137522.D
Acq: 06 Mar 2024 16:55

Tgt Ion:180 Resp: 595733
Ion Ratio Lower Upper
180 100
182 93.3 75.0 112.6
145 29.2 23.7 35.5

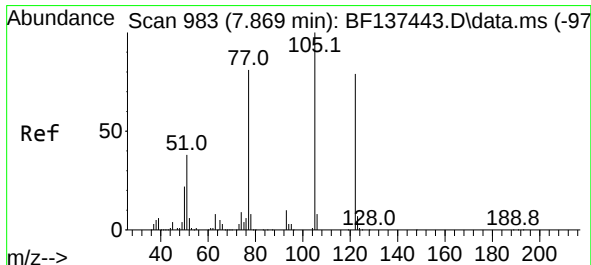
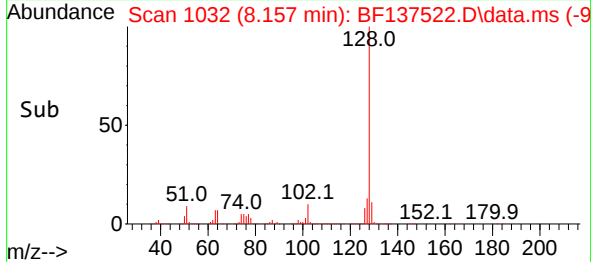
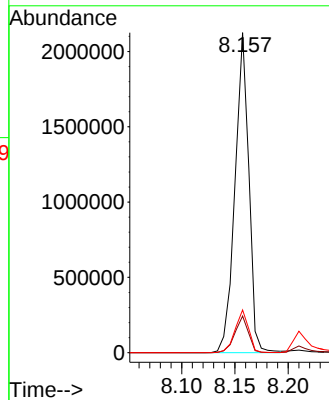
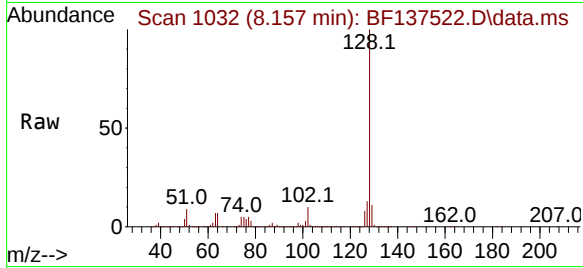




#31
Naphthalene
Concen: 39.837 ng
RT: 8.157 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF137522.D
Acq: 06 Mar 2024 16:55

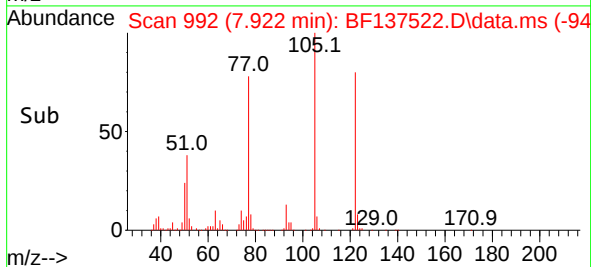
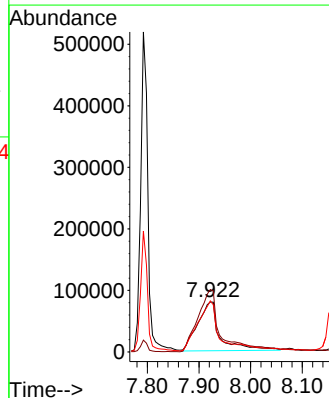
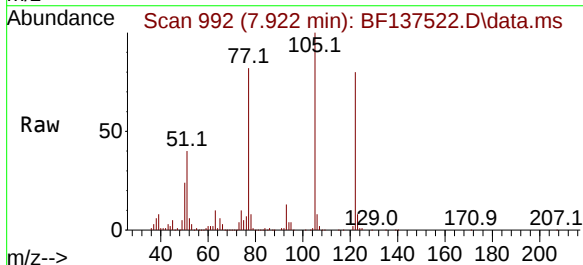
Instrument :
BNA_F
ClientSampleId :
72-12002MSD

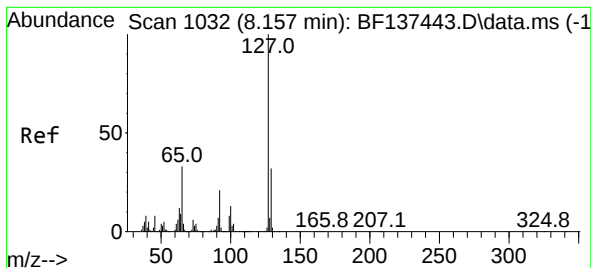
Tgt Ion:128 Resp: 1923385
Ion Ratio Lower Upper
128 100
129 11.4 9.2 13.8
127 13.4 10.8 16.2



#32
Benzoic acid
Concen: 31.226 ng
RT: 7.922 min Scan# 992
Delta R.T. -0.006 min
Lab File: BF137522.D
Acq: 06 Mar 2024 16:55

Tgt Ion:122 Resp: 238479
Ion Ratio Lower Upper
122 100
105 125.0 102.4 142.4
77 102.2 81.1 121.1





#33

4-Chloroaniline

Concen: 9.199 ng

RT: 8.210 min Scan# 1041

Delta R.T. 0.000 min

Lab File: BF137522.D

Acq: 06 Mar 2024 16:55

Instrument :

BNA_F

ClientSampleId :

72-12002MSD

Tgt Ion:127 Resp: 174156

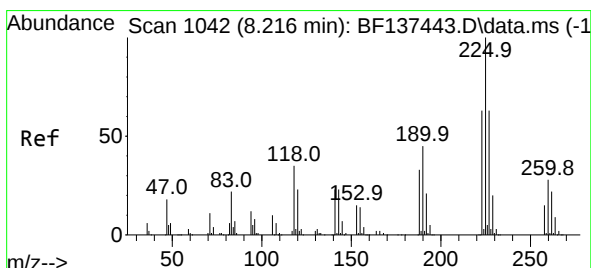
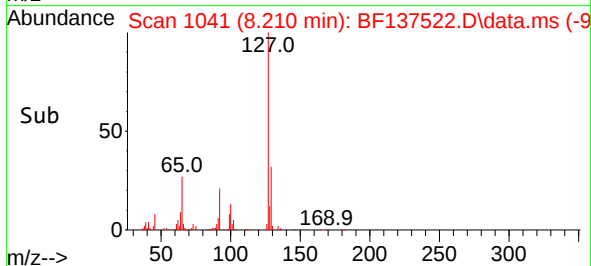
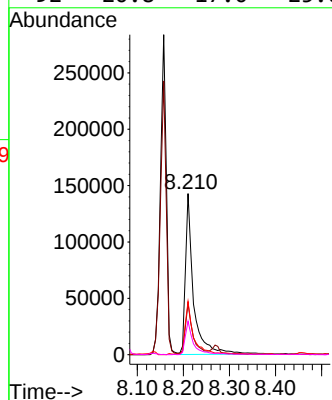
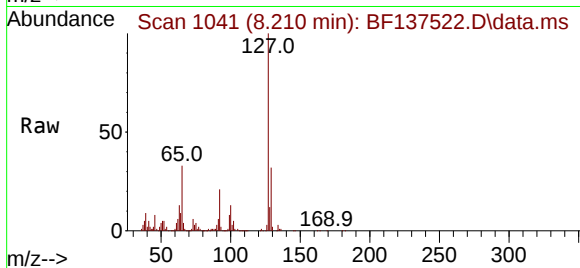
Ion Ratio Lower Upper

127 100

129 31.7 26.0 39.0

65 33.0 26.8 40.2

92 20.8 17.0 25.6



#34

Hexachlorobutadiene

Concen: 41.792 ng

RT: 8.275 min Scan# 1052

Delta R.T. 0.000 min

Lab File: BF137522.D

Acq: 06 Mar 2024 16:55

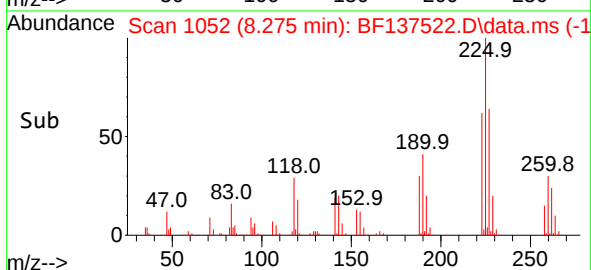
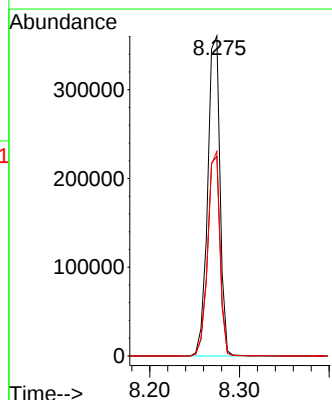
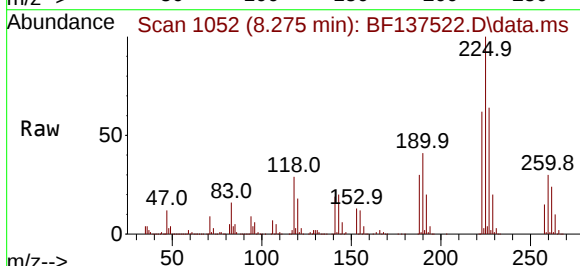
Tgt Ion:225 Resp: 343920

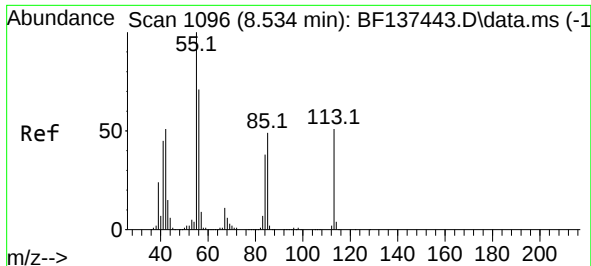
Ion Ratio Lower Upper

225 100

223 62.3 50.7 76.1

227 63.9 50.6 75.8

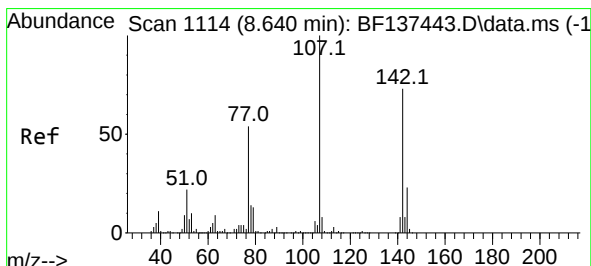
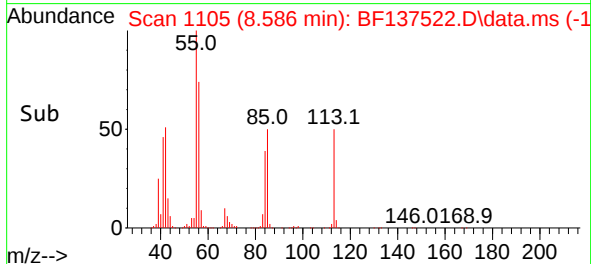
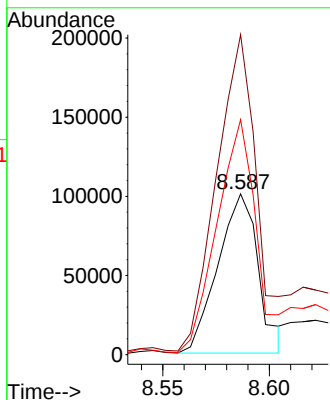
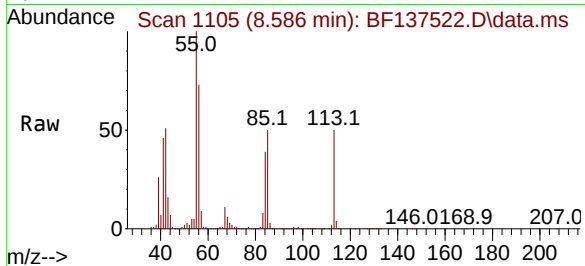




#35
 Caprolactam
 Concen: 29.587 ng
 RT: 8.586 min Scan# 1105
 Delta R.T. -0.006 min
 Lab File: BF137522.D
 Acq: 06 Mar 2024 16:55

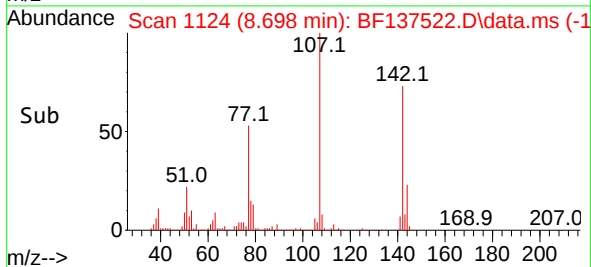
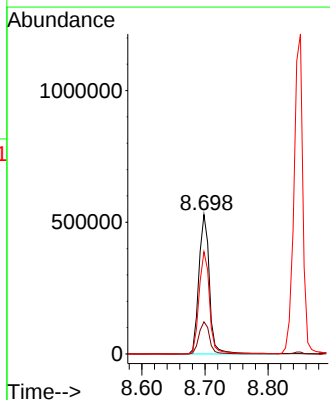
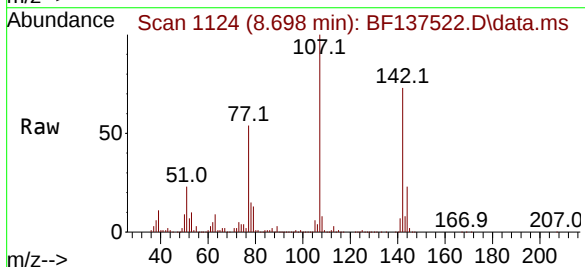
Instrument :
 BNA_F
 ClientSampleId :
 72-12002MSD

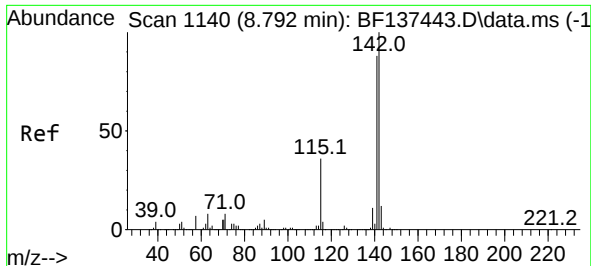
Tgt Ion:113 Resp: 132892
 Ion Ratio Lower Upper
 113 100
 55 199.0 176.7 216.7
 56 146.2 120.6 160.6



#36
 4-Chloro-3-methylphenol
 Concen: 41.279 ng
 RT: 8.698 min Scan# 1124
 Delta R.T. 0.006 min
 Lab File: BF137522.D
 Acq: 06 Mar 2024 16:55

Tgt Ion:107 Resp: 611186
 Ion Ratio Lower Upper
 107 100
 144 23.1 18.7 28.1
 142 73.4 58.2 87.2





#37

2-Methylnaphthalene

Concen: 38.537 ng

RT: 8.851 min Scan# 1150

Delta R.T. 0.000 min

Lab File: BF137522.D

Acq: 06 Mar 2024 16:55

Instrument :

BNA_F

ClientSampleId :

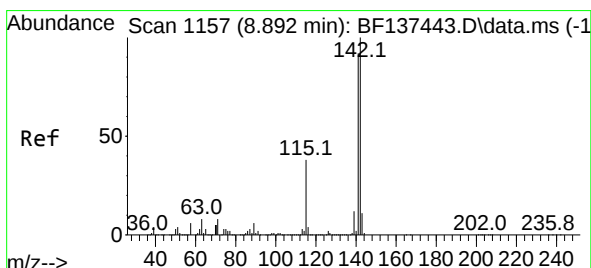
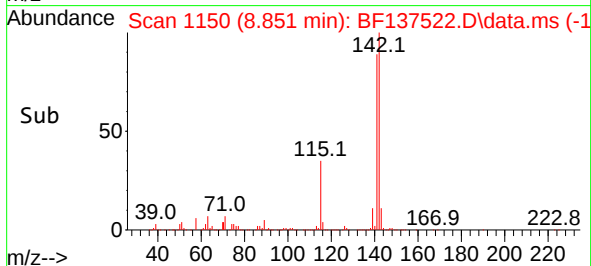
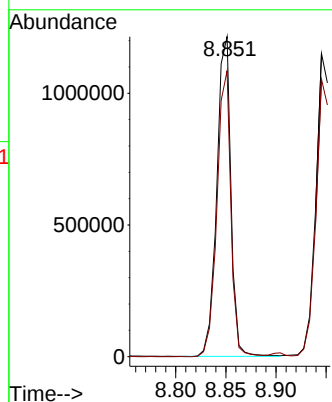
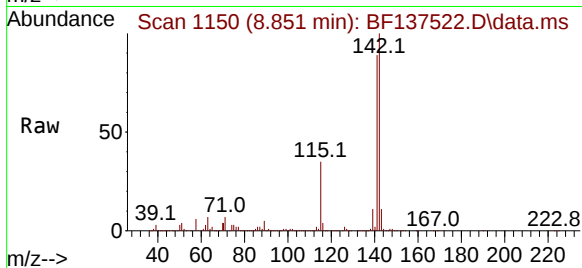
72-12002MSD

Tgt Ion:142 Resp: 1186138

Ion Ratio Lower Upper

142 100

141 89.3 70.4 105.6



#38

1-Methylnaphthalene

Concen: 38.145 ng

RT: 8.945 min Scan# 1166

Delta R.T. 0.000 min

Lab File: BF137522.D

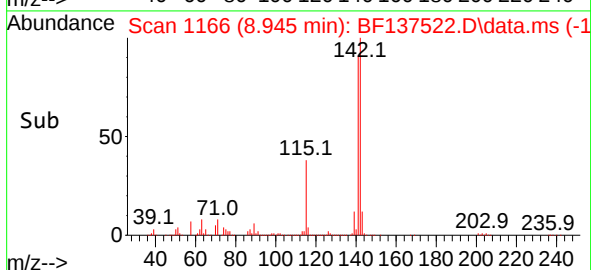
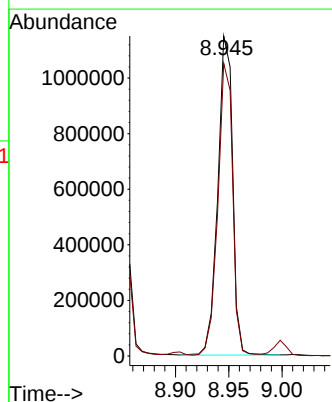
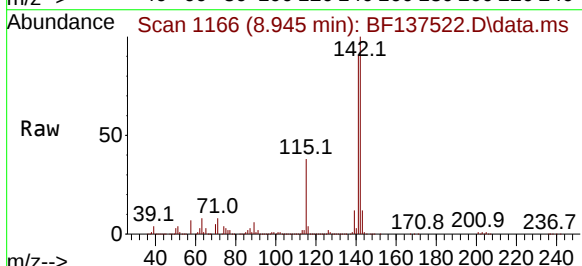
Acq: 06 Mar 2024 16:55

Tgt Ion:142 Resp: 1105675

Ion Ratio Lower Upper

142 100

141 91.5 73.4 110.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.892 min Scan# 1178

Delta R.T. 0.000 min

Lab File: BF137522.D

Acq: 06 Mar 2024 16:55

Instrument :

BNA_F

ClientSampleId :

72-12002MSD

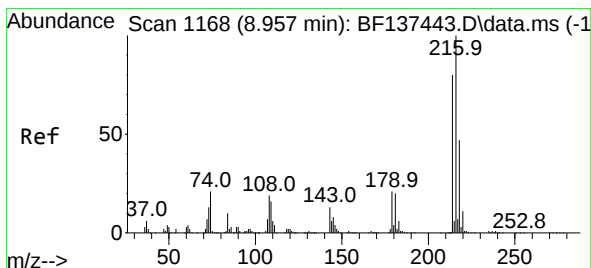
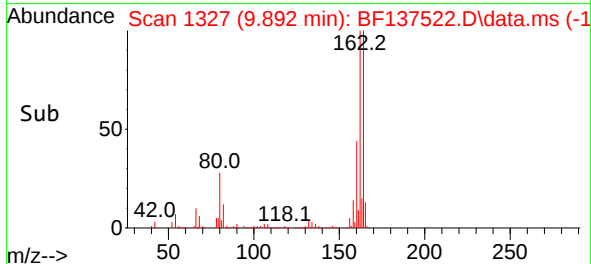
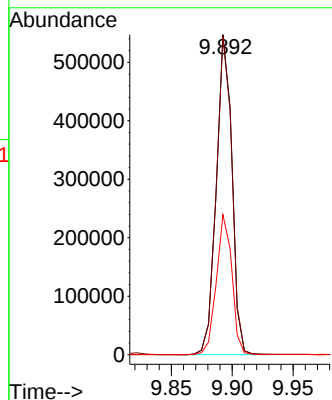
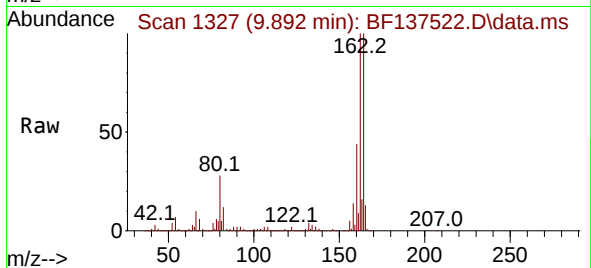
Tgt Ion:164 Resp: 489015

Ion Ratio Lower Upper

164 100

162 99.6 79.8 119.8

160 43.8 34.4 51.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 41.943 ng

RT: 9.016 min Scan# 1178

Delta R.T. 0.000 min

Lab File: BF137522.D

Acq: 06 Mar 2024 16:55

Tgt Ion:216 Resp: 572606

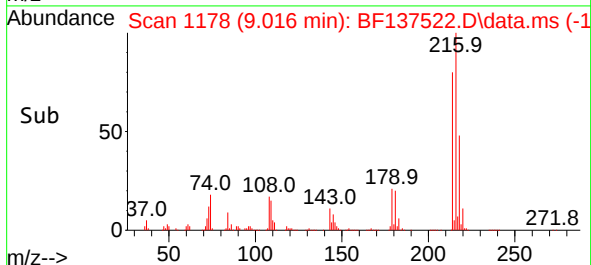
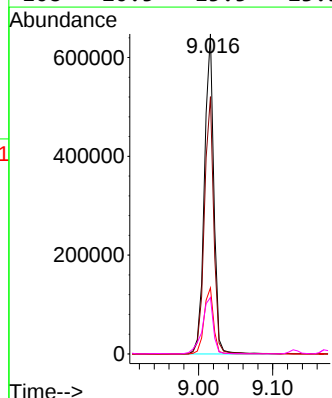
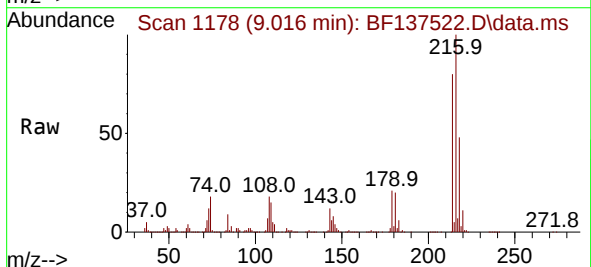
Ion Ratio Lower Upper

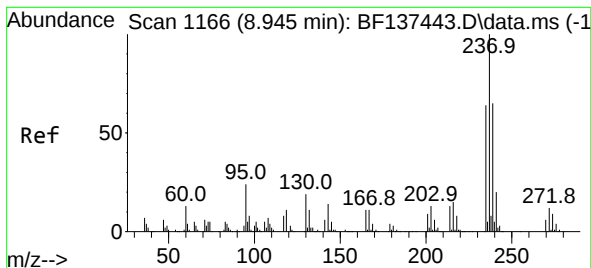
216 100

214 80.3 63.5 95.3

179 20.7 16.6 25.0

108 20.5 15.5 23.3





#41

Hexachlorocyclopentadiene

Concen: 71.525 ng

RT: 8.998 min Scan# 1175

Delta R.T. 0.000 min

Lab File: BF137522.D

Acq: 06 Mar 2024 16:55

Instrument :

BNA_F

ClientSampleId :

72-12002MSD

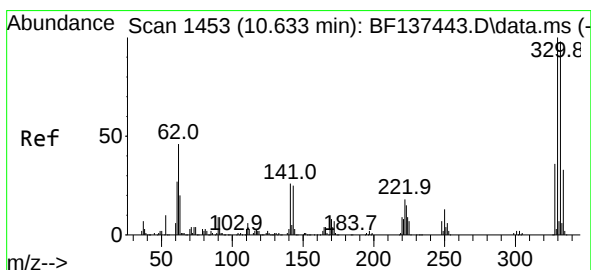
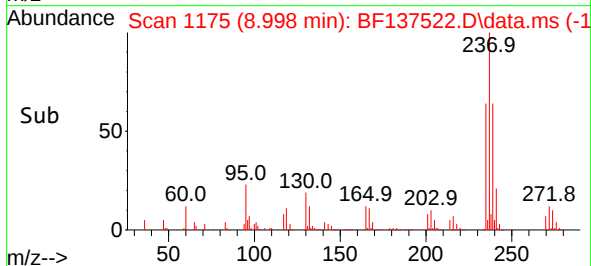
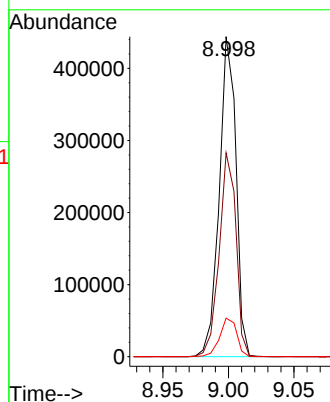
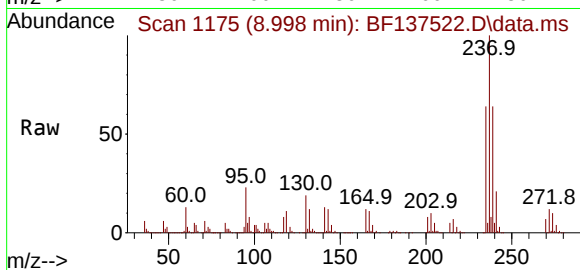
Tgt Ion:237 Resp: 393069

Ion Ratio Lower Upper

237 100

235 63.7 43.6 83.6

272 12.1 0.0 31.9



#42

2,4,6-Tribromophenol

Concen: 74.122 ng

RT: 10.692 min Scan# 1463

Delta R.T. 0.000 min

Lab File: BF137522.D

Acq: 06 Mar 2024 16:55

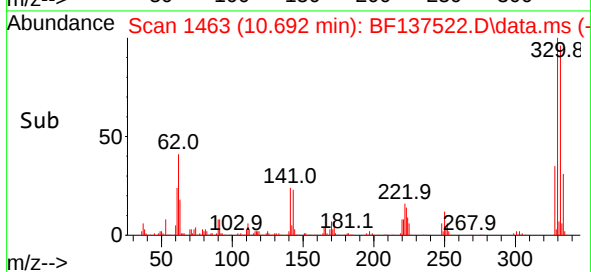
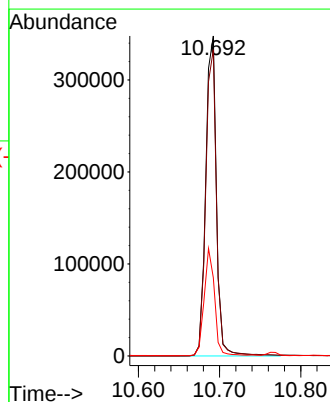
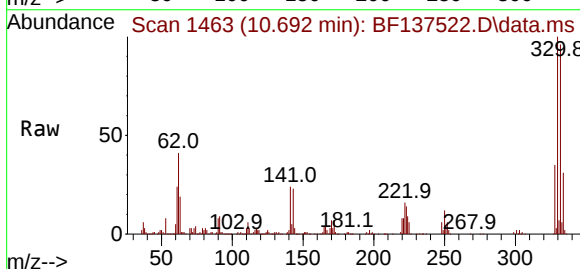
Tgt Ion:330 Resp: 318310

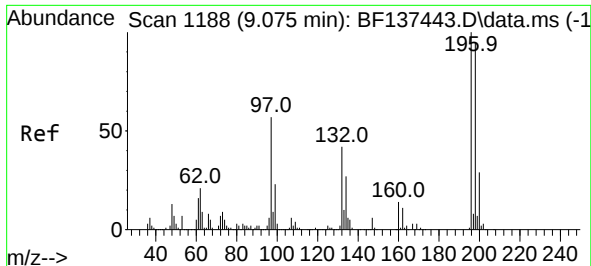
Ion Ratio Lower Upper

330 100

332 96.1 78.0 117.0

141 32.7 27.3 40.9





#43

2,4,6-Trichlorophenol

Concen: 43.017 ng

RT: 9.128 min Scan# 1188

Delta R.T. 0.000 min

Lab File: BF137522.D

Acq: 06 Mar 2024 16:55

Instrument :

BNA_F

ClientSampleId :

72-12002MSD

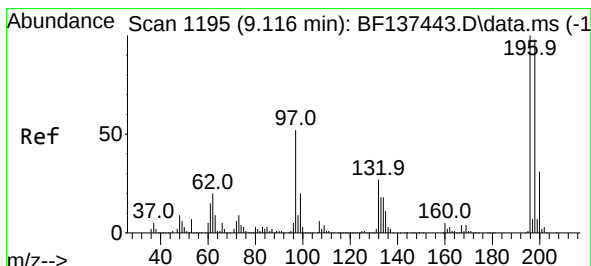
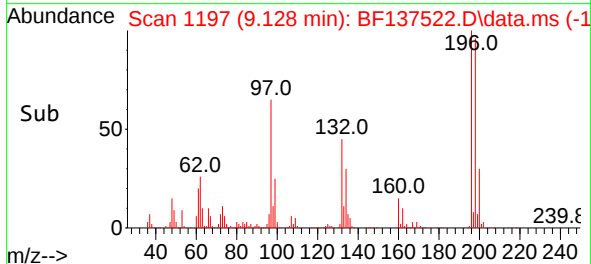
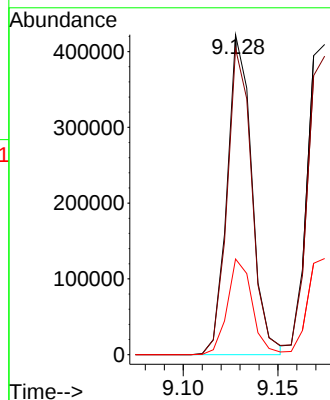
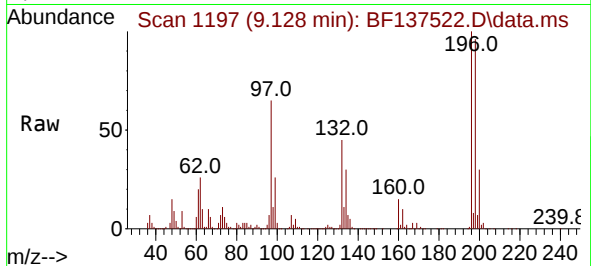
Tgt Ion:196 Resp: 382438

Ion Ratio Lower Upper

196 100

198 95.7 75.8 113.8

200 29.9 23.5 35.3



#44

2,4,5-Trichlorophenol

Concen: 40.017 ng

RT: 9.175 min Scan# 1205

Delta R.T. 0.006 min

Lab File: BF137522.D

Acq: 06 Mar 2024 16:55

Tgt Ion:196 Resp: 409824

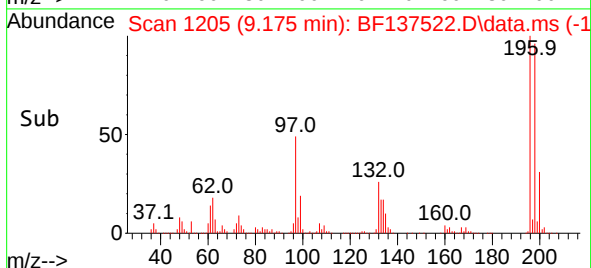
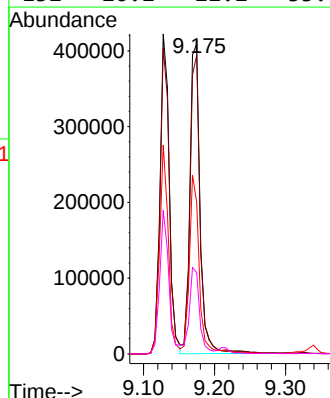
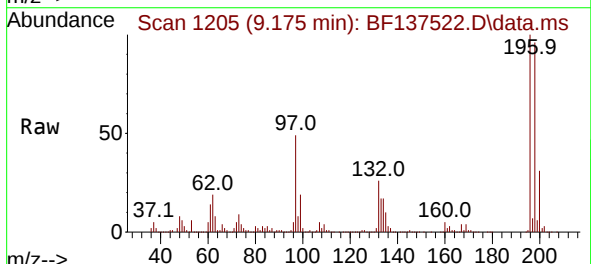
Ion Ratio Lower Upper

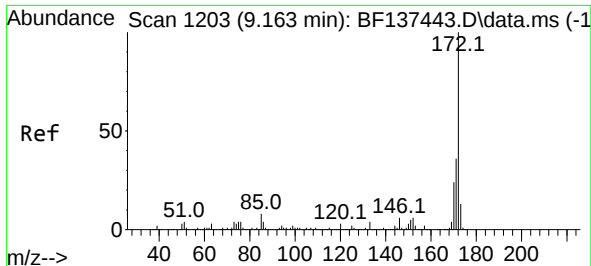
196 100

198 96.2 78.6 117.8

97 48.8 41.8 62.8

132 26.2 22.2 33.4





#45

2-Fluorobiphenyl

Concen: 50.919 ng

RT: 9.216 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF137522.D

Acq: 06 Mar 2024 16:55

Instrument :

BNA_F

ClientSampleId :

72-12002MSD

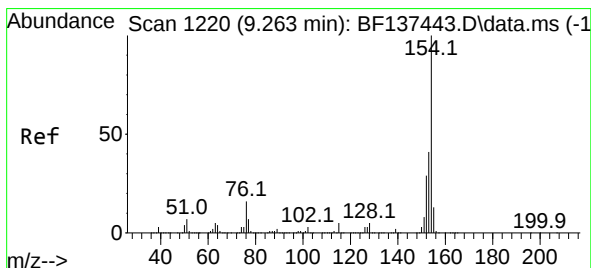
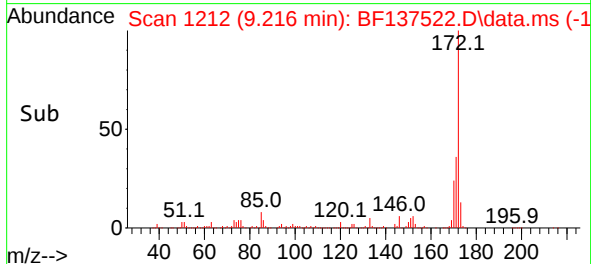
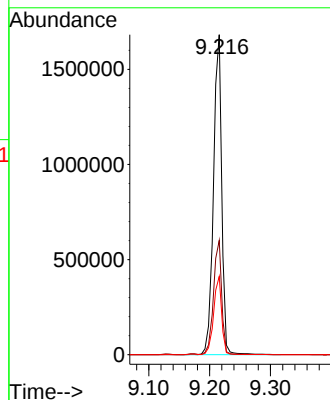
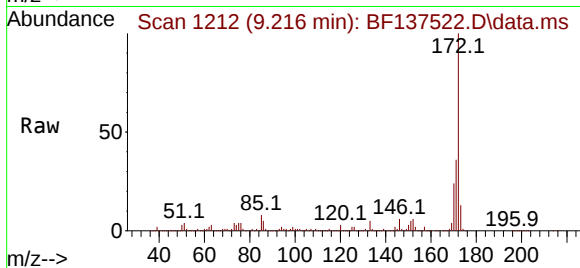
Tgt Ion:172 Resp: 1590701

Ion Ratio Lower Upper

172 100

171 35.7 28.5 42.7

170 24.5 19.0 28.6



#46

1,1'-Biphenyl

Concen: 40.450 ng

RT: 9.316 min Scan# 1229

Delta R.T. 0.000 min

Lab File: BF137522.D

Acq: 06 Mar 2024 16:55

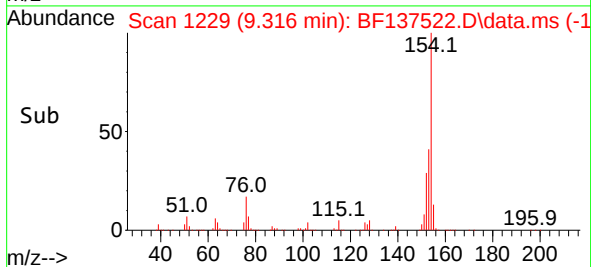
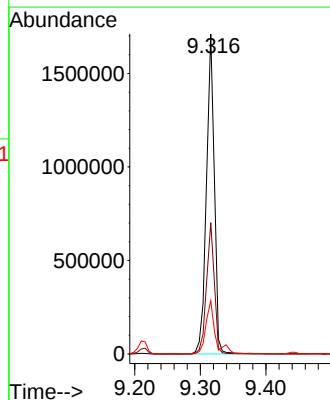
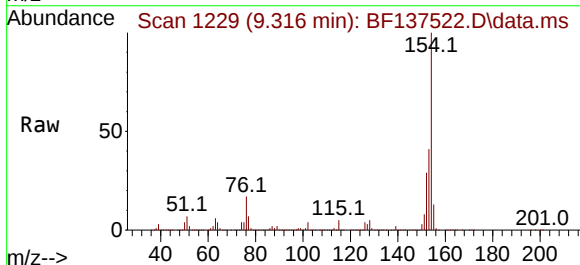
Tgt Ion:154 Resp: 1447755

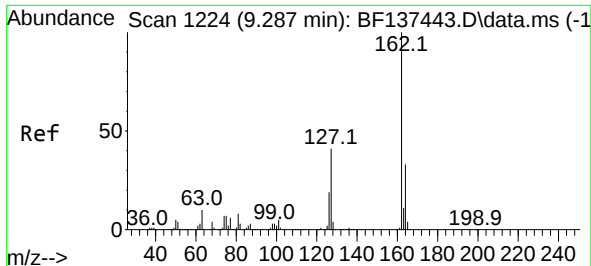
Ion Ratio Lower Upper

154 100

153 41.1 21.0 61.0

76 16.6 0.0 35.8





#47

2-Chloronaphthalene

Concen: 41.957 ng

RT: 9.339 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF137522.D

Acq: 06 Mar 2024 16:55

Instrument :

BNA_F

ClientSampleId :

72-12002MSD

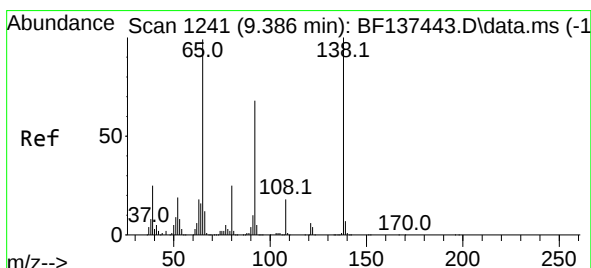
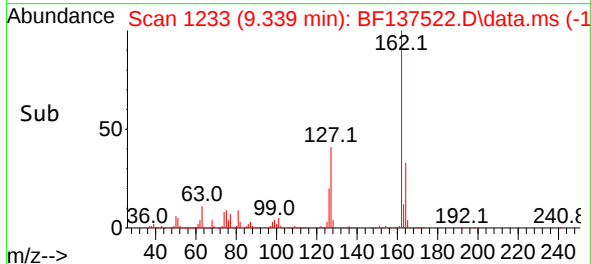
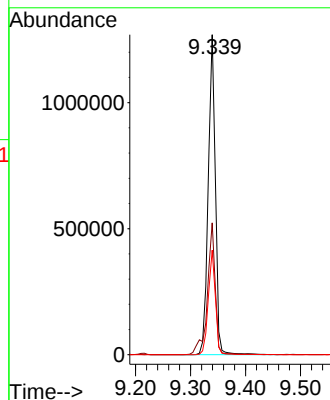
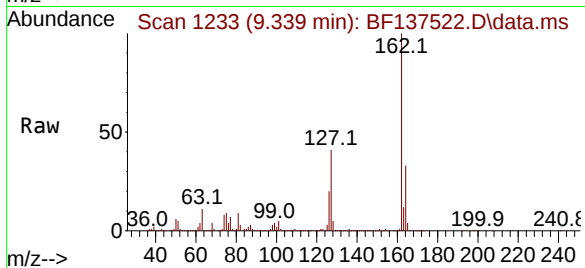
Tgt Ion:162 Resp: 1144928

Ion Ratio Lower Upper

162 100

127 41.2 32.6 49.0

164 32.7 26.5 39.7



#48

2-Nitroaniline

Concen: 43.753 ng

RT: 9.439 min Scan# 1250

Delta R.T. 0.000 min

Lab File: BF137522.D

Acq: 06 Mar 2024 16:55

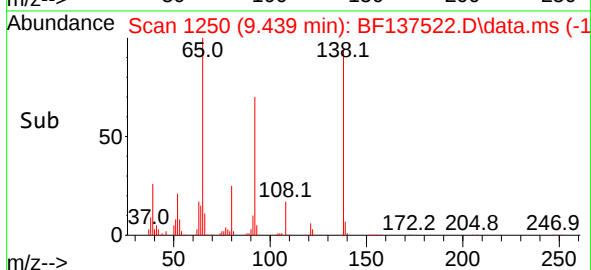
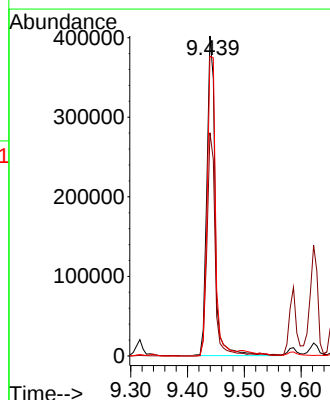
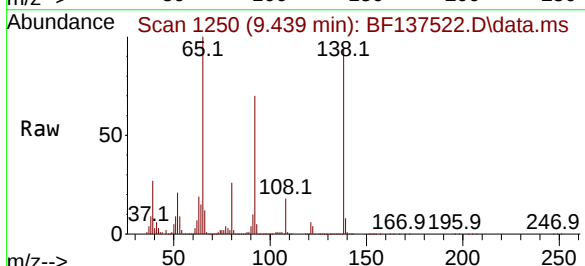
Tgt Ion: 65 Resp: 405809

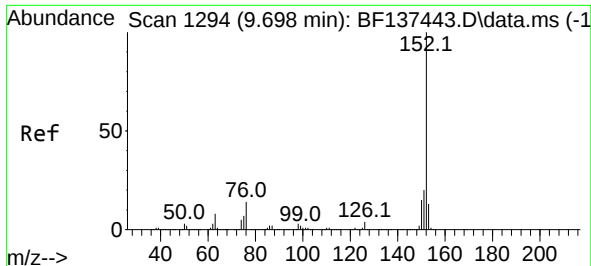
Ion Ratio Lower Upper

65 100

92 69.7 55.4 83.2

138 93.7 81.0 121.6





#49

Acenaphthylene

Concen: 41.130 ng

RT: 9.757 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF137522.D

Acq: 06 Mar 2024 16:55

Instrument :

BNA_F

ClientSampleId :

72-12002MSD

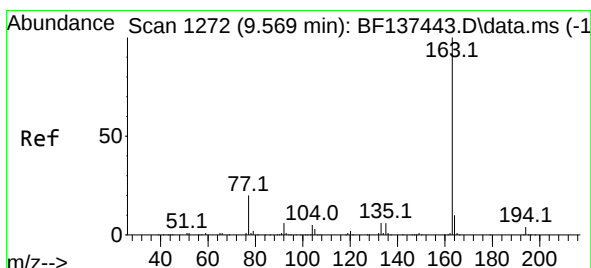
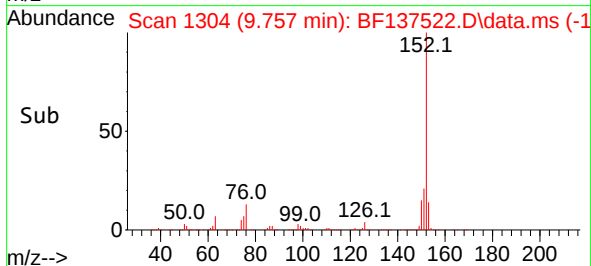
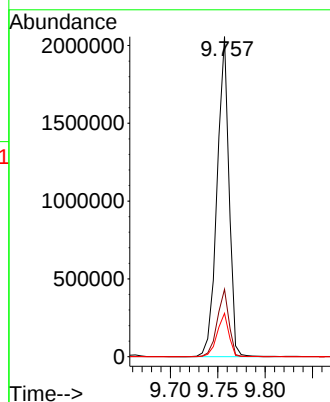
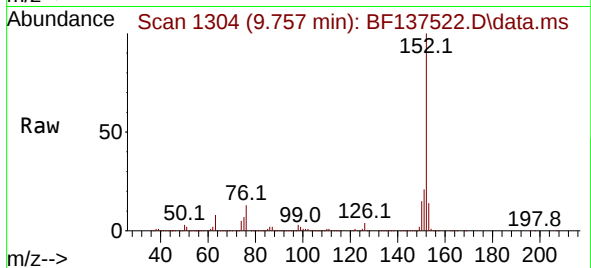
Tgt Ion:152 Resp: 1796169

Ion Ratio Lower Upper

152 100

151 21.0 16.2 24.4

153 13.5 10.8 16.2



#50

Dimethylphthalate

Concen: 40.469 ng

RT: 9.622 min Scan# 1281

Delta R.T. -0.006 min

Lab File: BF137522.D

Acq: 06 Mar 2024 16:55

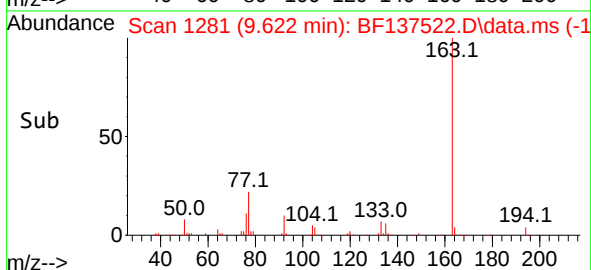
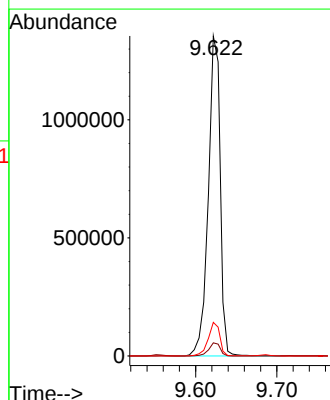
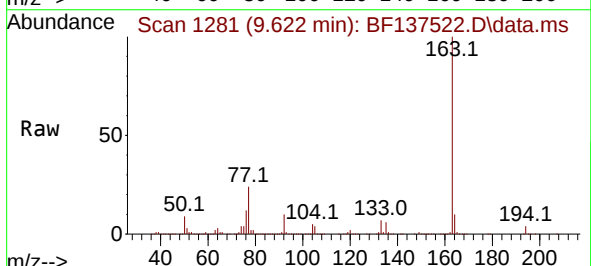
Tgt Ion:163 Resp: 1377618

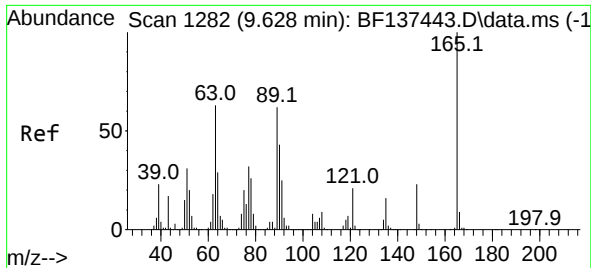
Ion Ratio Lower Upper

163 100

194 4.1 3.3 4.9

164 10.5 8.1 12.1

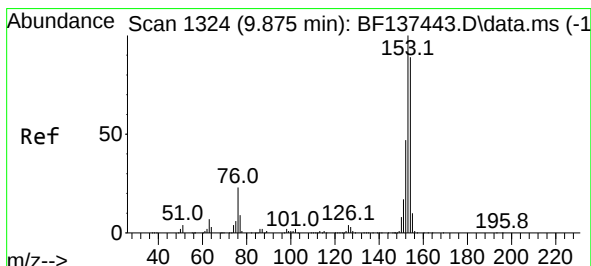
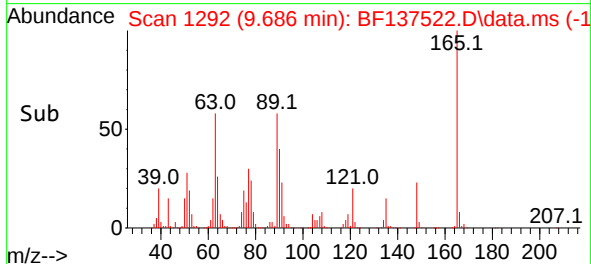
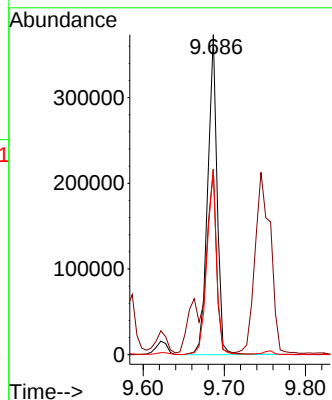
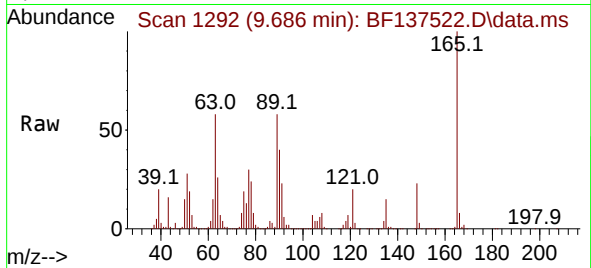




#51
2,6-Dinitrotoluene
Concen: 42.062 ng
RT: 9.686 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF137522.D
Acq: 06 Mar 2024 16:55

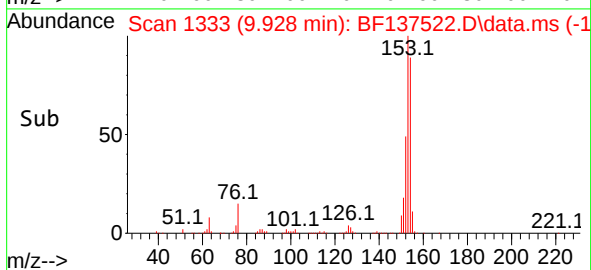
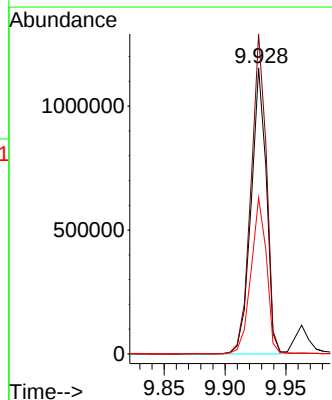
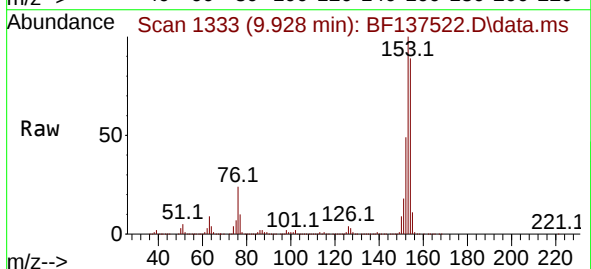
Instrument :
BNA_F
ClientSampleId :
72-12002MSD

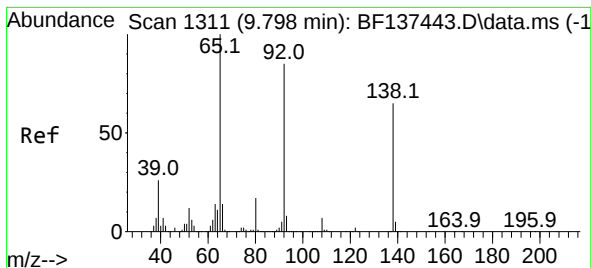
Tgt Ion:165 Resp: 299480
Ion Ratio Lower Upper
165 100
63 57.9 50.7 76.1
89 58.0 50.0 75.0



#52
Acenaphthene
Concen: 38.646 ng
RT: 9.928 min Scan# 1333
Delta R.T. 0.000 min
Lab File: BF137522.D
Acq: 06 Mar 2024 16:55

Tgt Ion:154 Resp: 1007563
Ion Ratio Lower Upper
154 100
153 111.8 90.3 135.5
152 54.7 42.7 64.1





#53

3-Nitroaniline

Concen: 21.650 ng

RT: 9.857 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF137522.D

Acq: 06 Mar 2024 16:55

Instrument :

BNA_F

ClientSampleId :

72-12002MSD

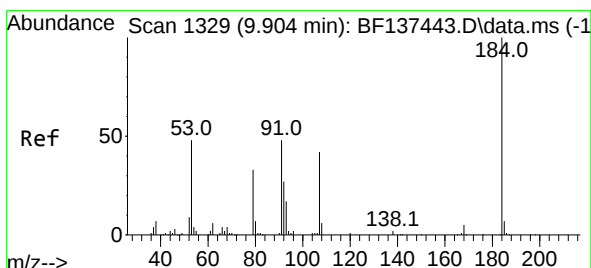
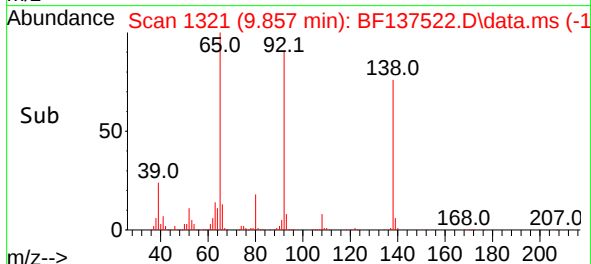
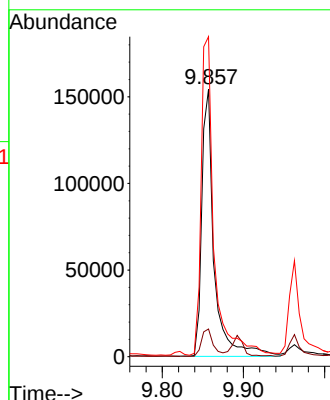
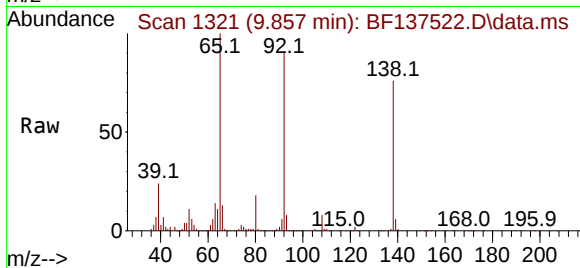
Tgt Ion:138 Resp: 163046

Ion Ratio Lower Upper

138 100

108 10.4 9.1 13.7

92 119.7 104.6 157.0



#54

2,4-Dinitrophenol

Concen: 54.259 ng

RT: 9.963 min Scan# 1339

Delta R.T. 0.000 min

Lab File: BF137522.D

Acq: 06 Mar 2024 16:55

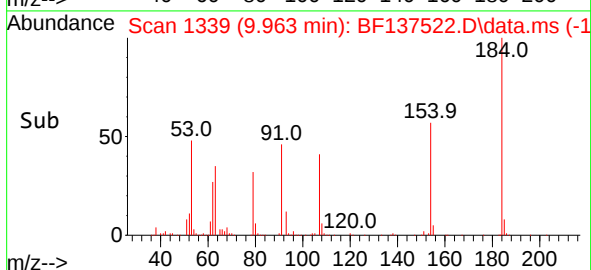
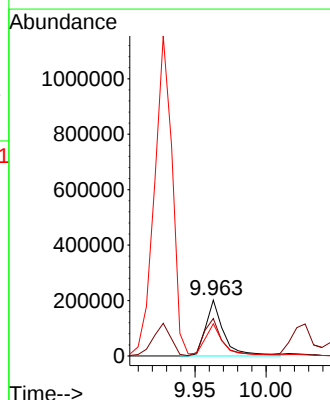
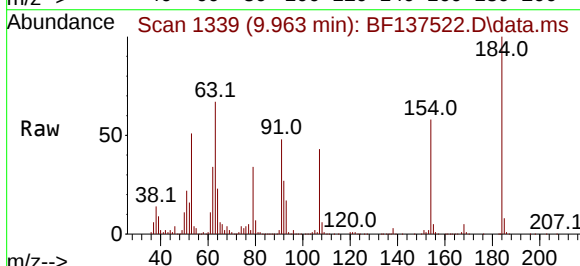
Tgt Ion:184 Resp: 178187

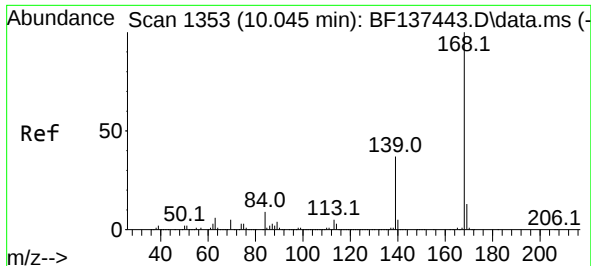
Ion Ratio Lower Upper

184 100

63 66.9 53.3 79.9

154 57.6 47.4 71.0

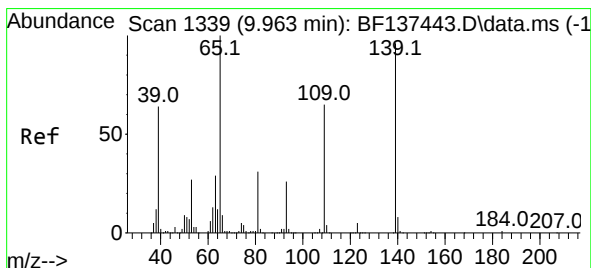
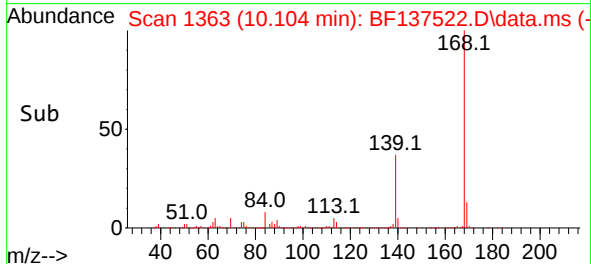
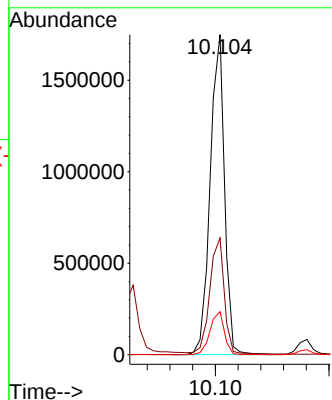
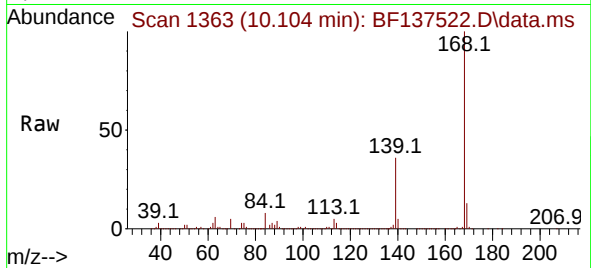




#55
Dibenzofuran
Concen: 38.540 ng
RT: 10.104 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF137522.D
Acq: 06 Mar 2024 16:55

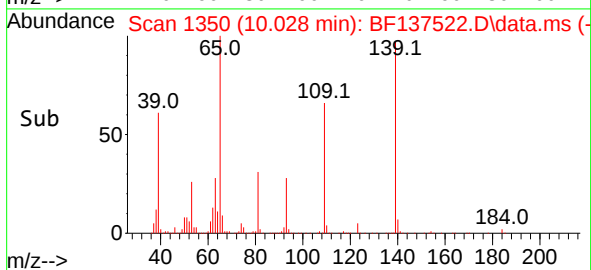
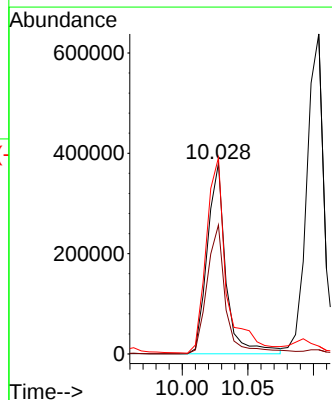
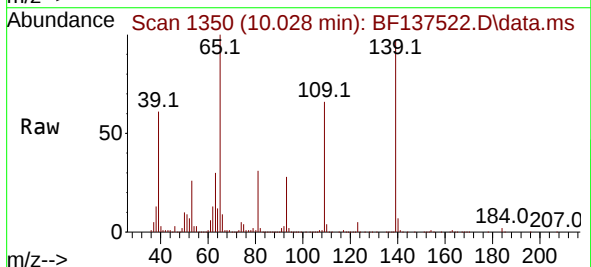
Instrument :
BNA_F
ClientSampleId :
72-12002MSD

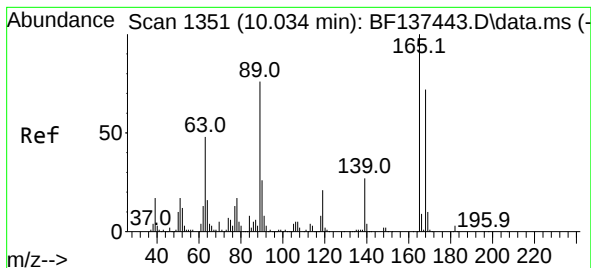
Tgt Ion:168 Resp: 1530375
Ion Ratio Lower Upper
168 100
139 36.5 29.8 44.6
169 13.5 10.8 16.2



#56
4-Nitrophenol
Concen: 70.683 ng
RT: 10.028 min Scan# 1350
Delta R.T. 0.006 min
Lab File: BF137522.D
Acq: 06 Mar 2024 16:55

Tgt Ion:139 Resp: 375731
Ion Ratio Lower Upper
139 100
109 67.7 47.1 87.1
65 103.0 85.1 125.1

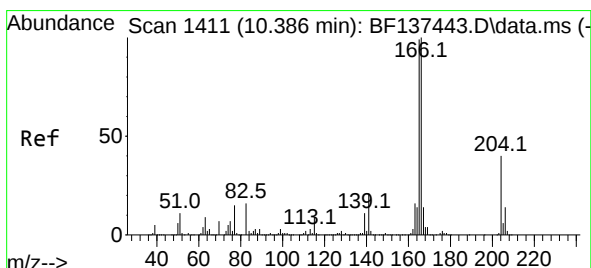
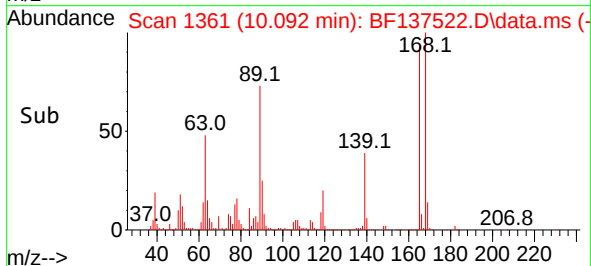
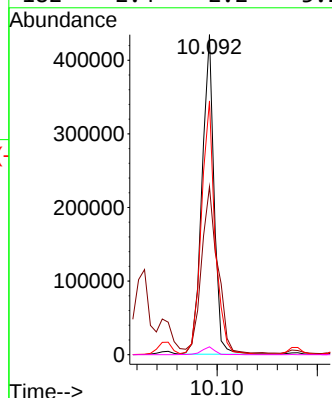
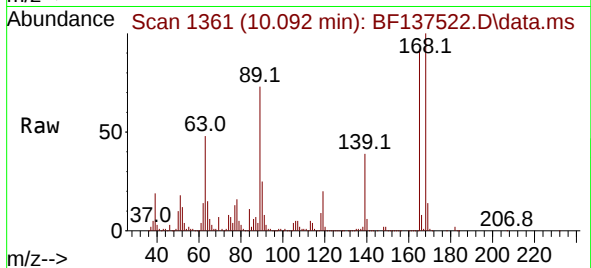




#57
2,4-Dinitrotoluene
Concen: 41.563 ng
RT: 10.092 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF137522.D
Acq: 06 Mar 2024 16:55

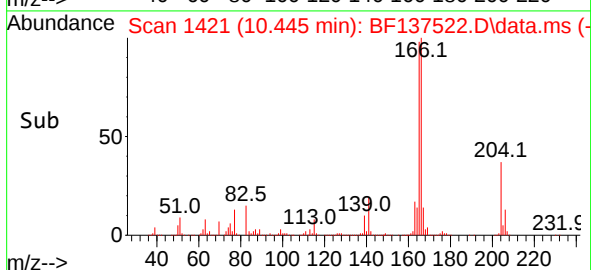
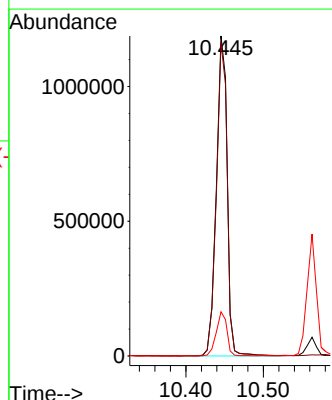
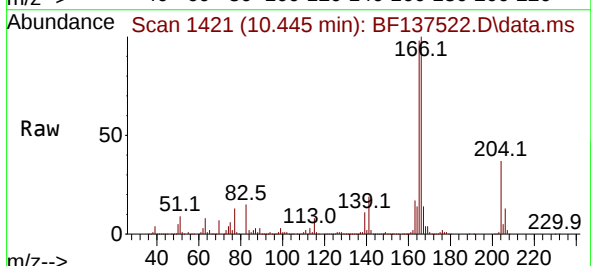
Instrument :
BNA_F
ClientSampleId :
72-12002MSD

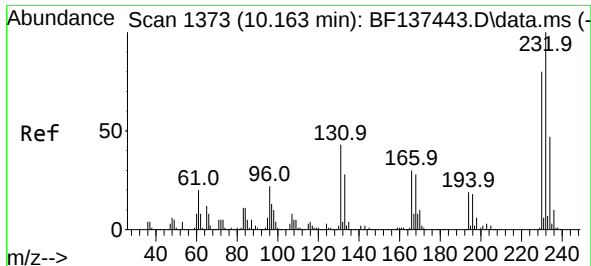
Tgt Ion:165 Resp: 363575
Ion Ratio Lower Upper
165 100
63 52.5 39.0 58.6
89 79.3 60.9 91.3
182 2.4 2.2 3.2



#58
Fluorene
Concen: 37.803 ng
RT: 10.445 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF137522.D
Acq: 06 Mar 2024 16:55

Tgt Ion:166 Resp: 1152839
Ion Ratio Lower Upper
166 100
165 97.9 79.2 118.8
167 13.8 11.0 16.6





#59

2,3,4,6-Tetrachlorophenol

Concen: 38.984 ng

RT: 10.222 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF137522.D

Acq: 06 Mar 2024 16:55

Instrument :

BNA_F

ClientSampleId :

72-12002MSD

Tgt Ion:232 Resp: 320157

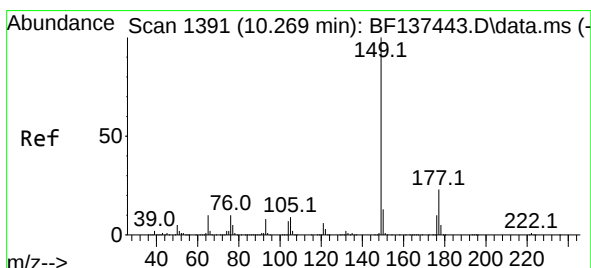
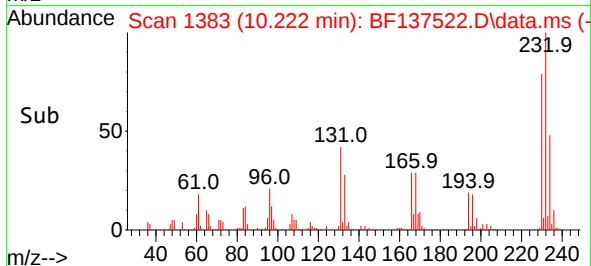
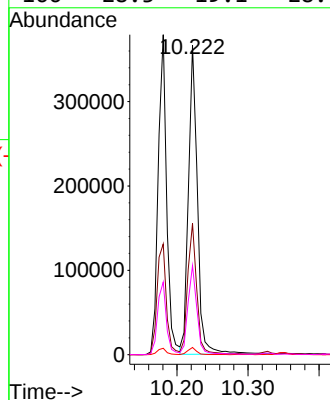
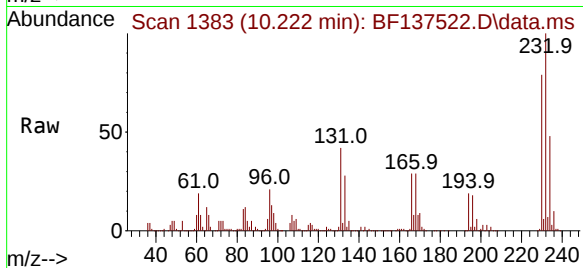
Ion Ratio Lower Upper

232 100

131 41.5 31.2 46.8

130 2.3 1.8 2.6

166 28.3 19.1 28.7



#60

Diethylphthalate

Concen: 39.829 ng

RT: 10.328 min Scan# 1401

Delta R.T. 0.000 min

Lab File: BF137522.D

Acq: 06 Mar 2024 16:55

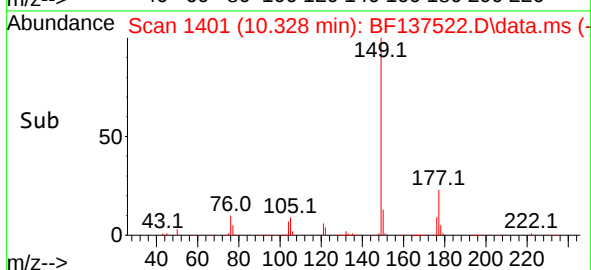
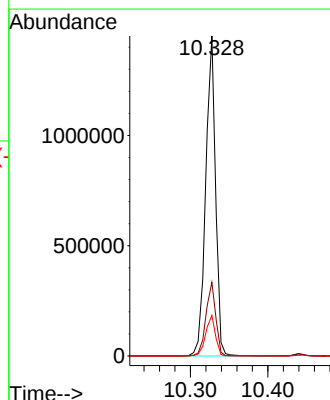
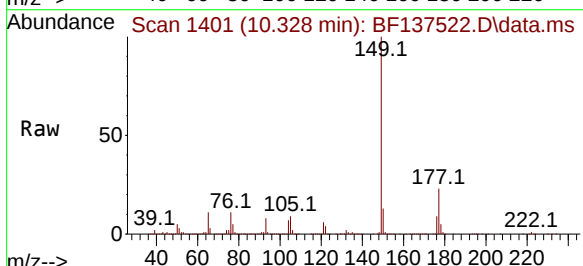
Tgt Ion:149 Resp: 1280331

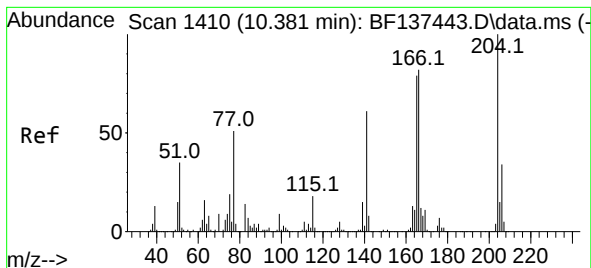
Ion Ratio Lower Upper

149 100

177 23.0 18.7 28.1

150 12.6 10.2 15.4

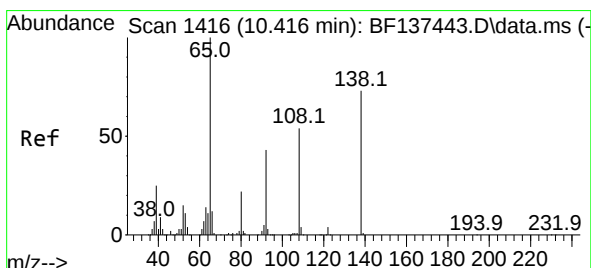
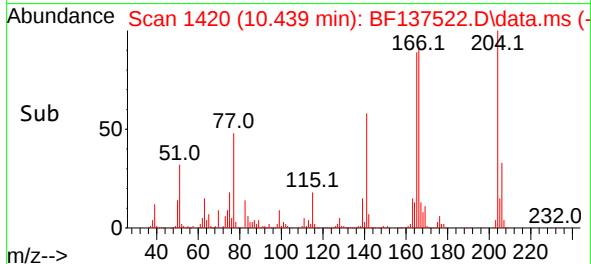
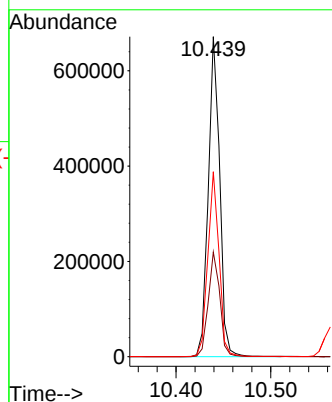
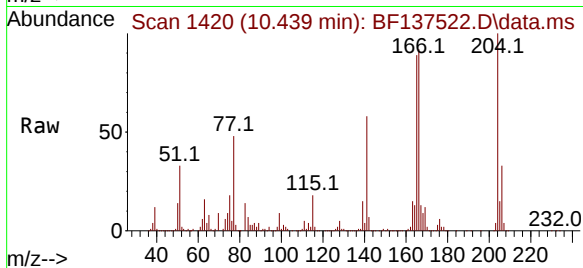




#61
4-Chlorophenyl-phenylether
Concen: 37.368 ng
RT: 10.439 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF137522.D
Acq: 06 Mar 2024 16:55

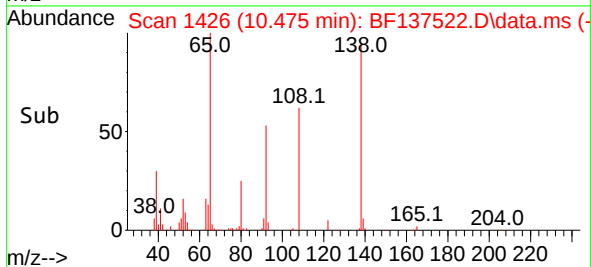
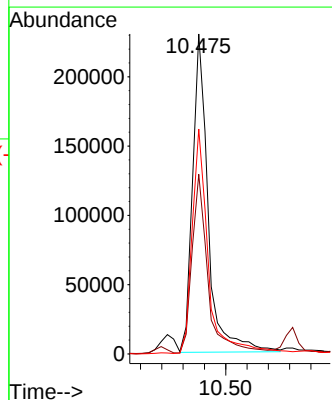
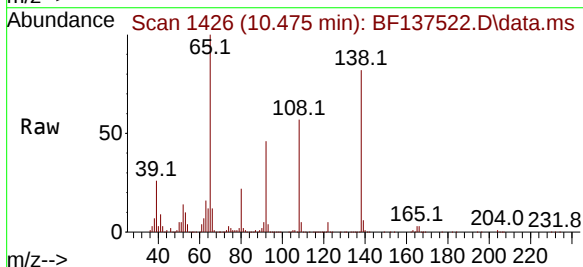
Instrument :
BNA_F
ClientSampleId :
72-12002MSD

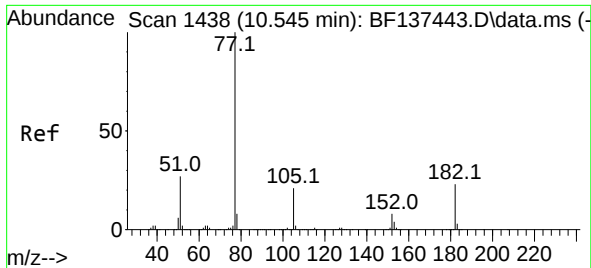
Tgt Ion:204 Resp: 558493
Ion Ratio Lower Upper
204 100
206 32.7 27.4 41.0
141 57.8 48.4 72.6



#62
4-Nitroaniline
Concen: 36.039 ng
RT: 10.475 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF137522.D
Acq: 06 Mar 2024 16:55

Tgt Ion:138 Resp: 233278
Ion Ratio Lower Upper
138 100
92 56.1 37.9 77.9
108 70.3 53.2 93.2

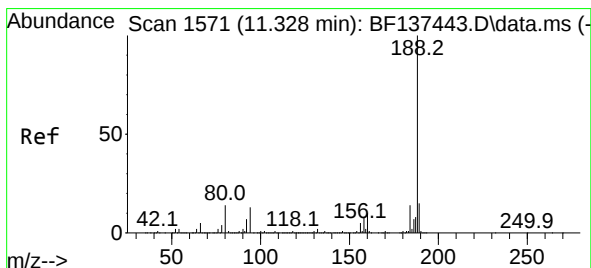
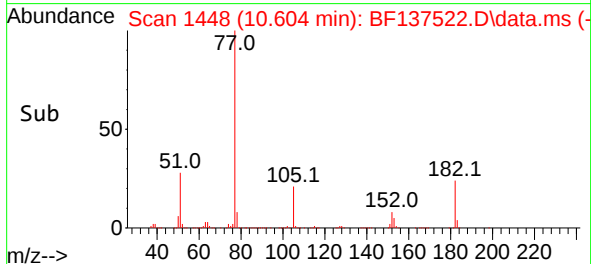
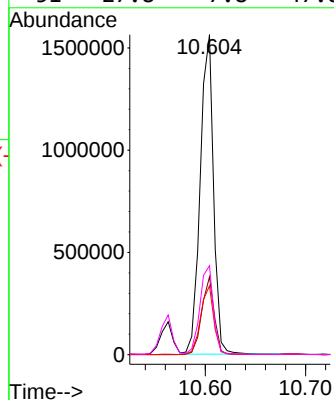
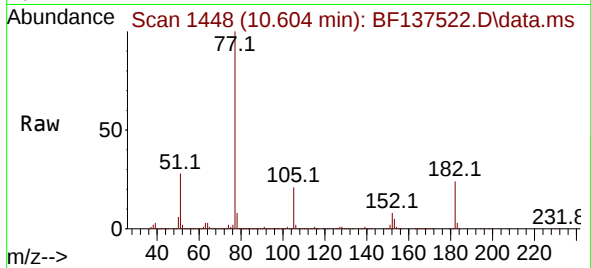




#63
Azobenzene
Concen: 39.030 ng
RT: 10.604 min Scan# 1438
Delta R.T. 0.000 min
Lab File: BF137522.D
Acq: 06 Mar 2024 16:55

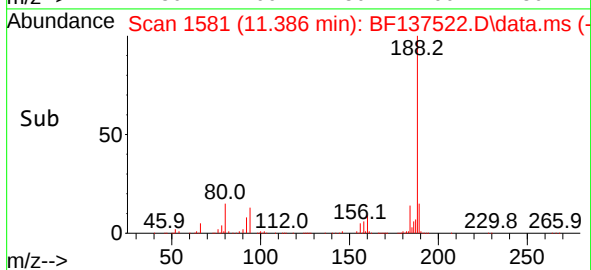
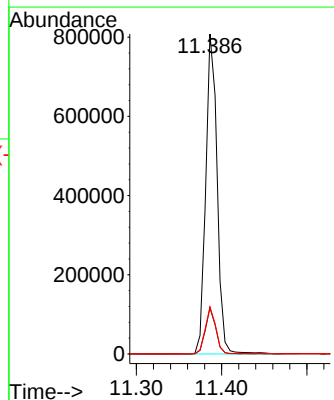
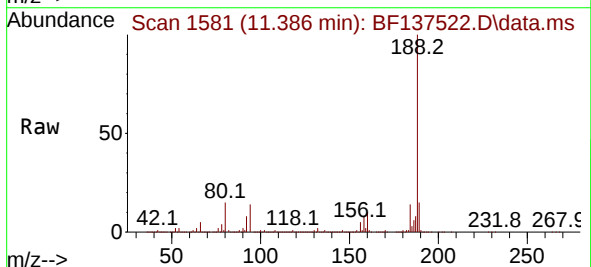
Instrument :
BNA_F
ClientSampleId :
72-12002MSD

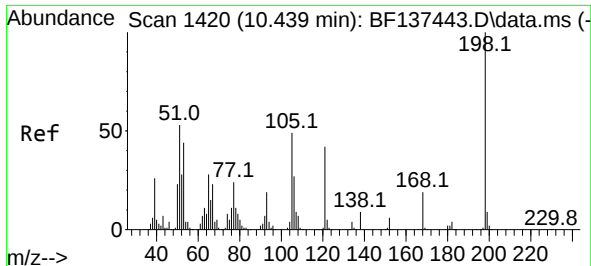
Tgt Ion: 77 Resp: 1444716
Ion Ratio Lower Upper
77 100
182 24.3 3.2 43.2
105 21.5 1.2 41.2
51 27.8 7.8 47.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF137522.D
Acq: 06 Mar 2024 16:55

Tgt Ion: 188 Resp: 748602
Ion Ratio Lower Upper
188 100
94 14.4 10.6 15.8
80 14.8 11.5 17.3

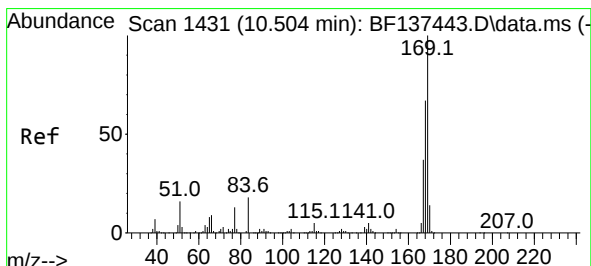
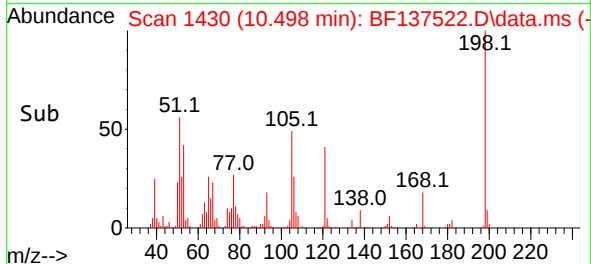
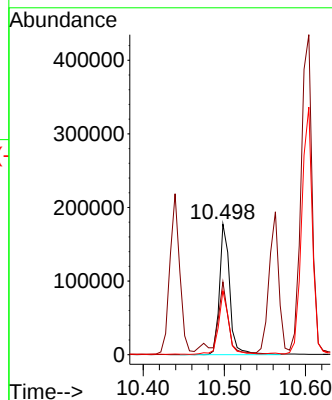
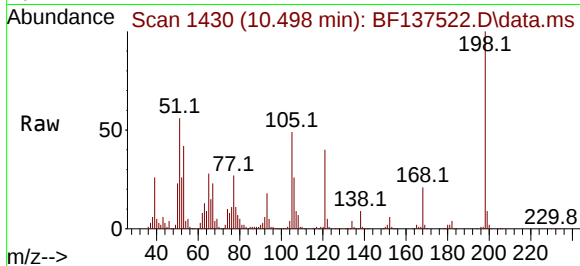




#65
4,6-Dinitro-2-methylphenol
Concen: 37.311 ng
RT: 10.498 min Scan# 1440
Delta R.T. 0.000 min
Lab File: BF137522.D
Acq: 06 Mar 2024 16:55

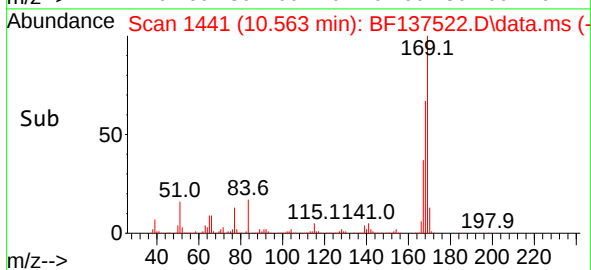
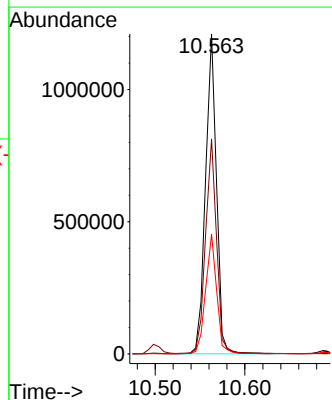
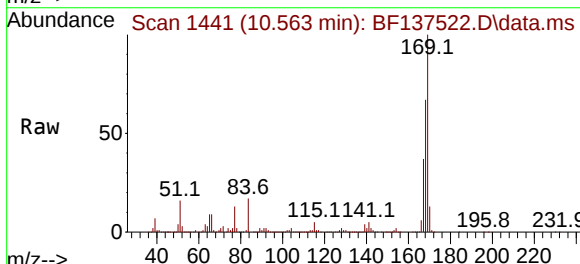
Instrument :
BNA_F
ClientSampleId :
72-12002MSD

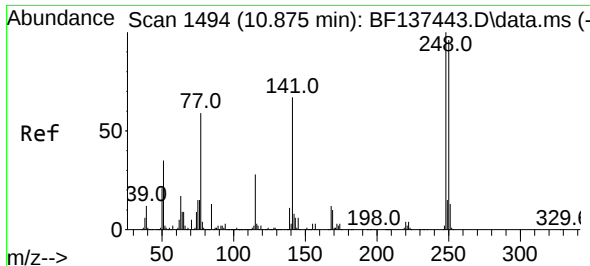
Tgt Ion:198 Resp: 155675
Ion Ratio Lower Upper
198 100
51 55.8 37.2 77.2
105 48.9 29.2 69.2



#66
n-Nitrosodiphenylamine
Concen: 42.607 ng
RT: 10.563 min Scan# 1441
Delta R.T. 0.000 min
Lab File: BF137522.D
Acq: 06 Mar 2024 16:55

Tgt Ion:169 Resp: 1027080
Ion Ratio Lower Upper
169 100
168 67.2 53.8 80.6
167 37.4 29.6 44.4

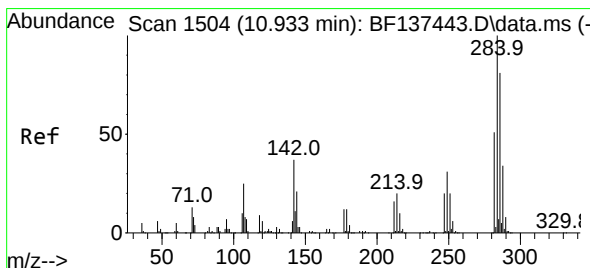
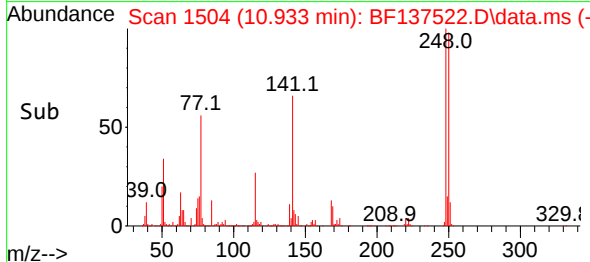
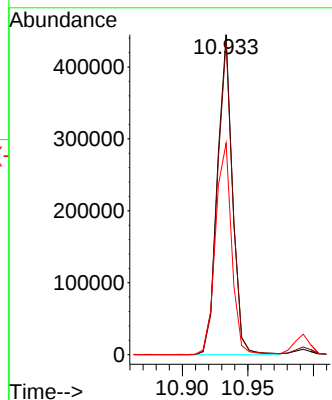
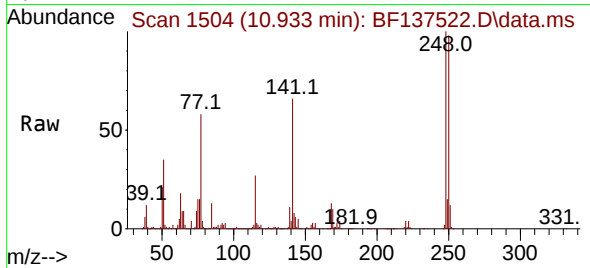




#67
4-Bromophenyl-phenylether
Concen: 43.826 ng
RT: 10.933 min Scan# 1514
Delta R.T. 0.000 min
Lab File: BF137522.D
Acq: 06 Mar 2024 16:55

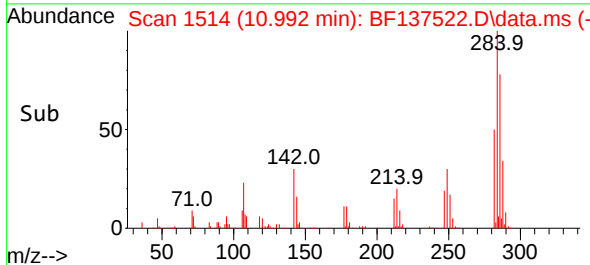
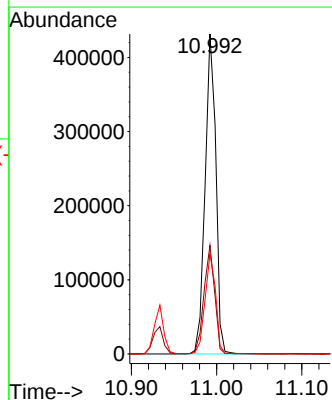
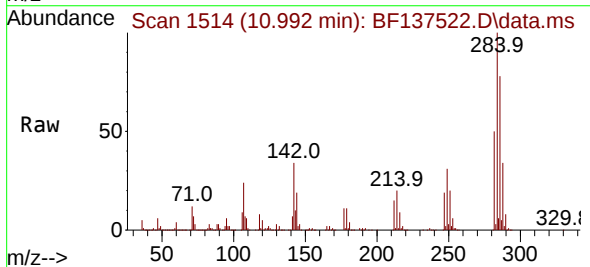
Instrument :
BNA_F
ClientSampleId :
72-12002MSD

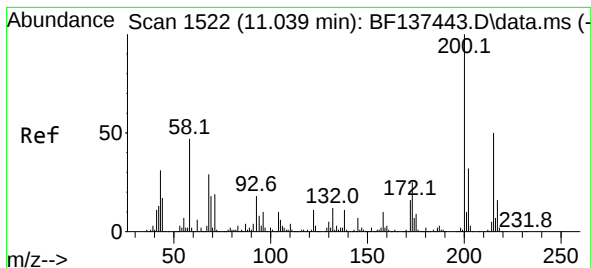
Tgt Ion:248 Resp: 357341
Ion Ratio Lower Upper
248 100
250 98.0 76.8 115.2
141 66.1 53.4 80.0



#68
Hexachlorobenzene
Concen: 45.810 ng
RT: 10.992 min Scan# 1514
Delta R.T. 0.000 min
Lab File: BF137522.D
Acq: 06 Mar 2024 16:55

Tgt Ion:284 Resp: 377262
Ion Ratio Lower Upper
284 100
142 33.9 29.4 44.0
249 31.3 25.0 37.4





#69

Atrazine

Concen: 44.870 ng

RT: 11.098 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF137522.D

Acq: 06 Mar 2024 16:55

Instrument :

BNA_F

ClientSampleId :

72-12002MSD

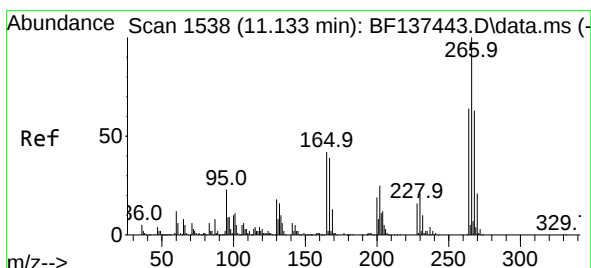
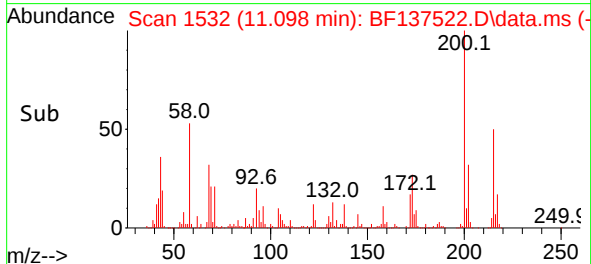
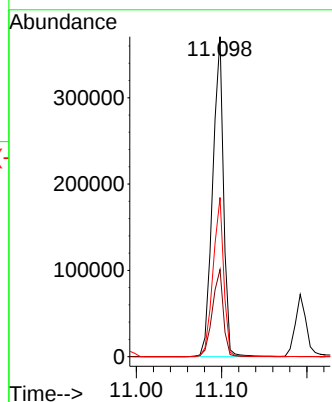
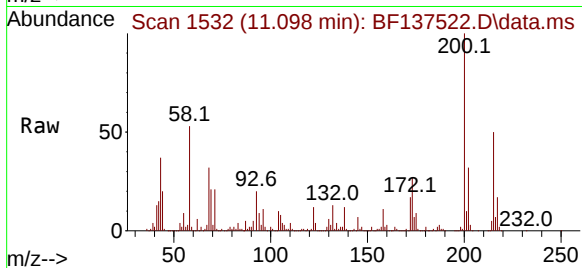
Tgt Ion:200 Resp: 328812

Ion Ratio Lower Upper

200 100

173 27.2 5.1 45.1

215 49.8 30.4 70.4



#70

Pentachlorophenol

Concen: 71.879 ng

RT: 11.192 min Scan# 1548

Delta R.T. 0.000 min

Lab File: BF137522.D

Acq: 06 Mar 2024 16:55

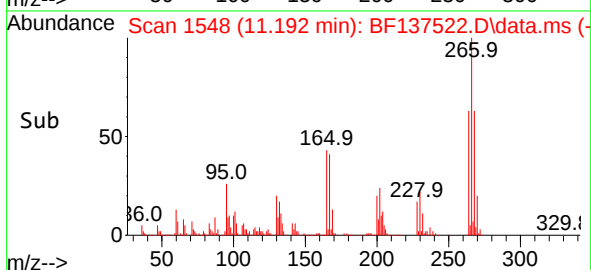
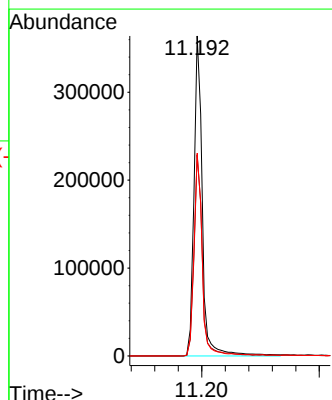
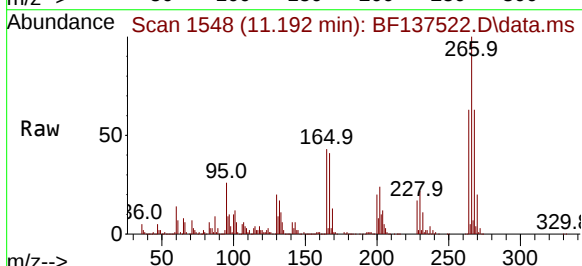
Tgt Ion:266 Resp: 357841

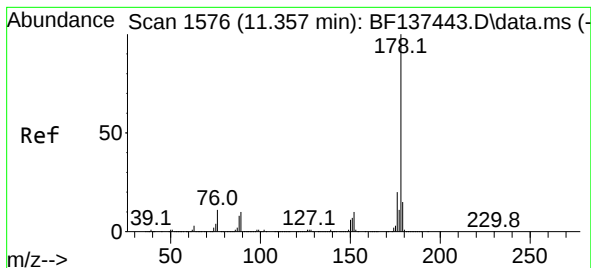
Ion Ratio Lower Upper

266 100

268 62.8 50.2 75.2

264 63.3 50.9 76.3





#71

Phenanthrene

Concen: 41.085 ng

RT: 11.416 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF137522.D

Acq: 06 Mar 2024 16:55

Instrument :

BNA_F

ClientSampleId :

72-12002MSD

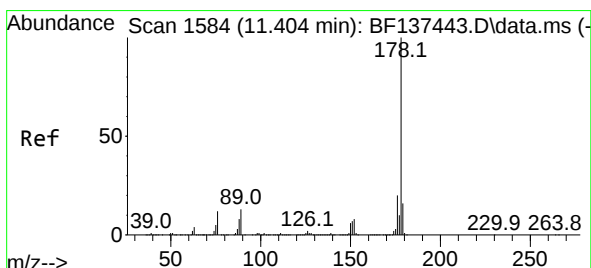
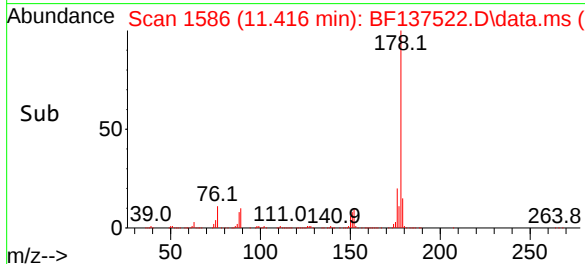
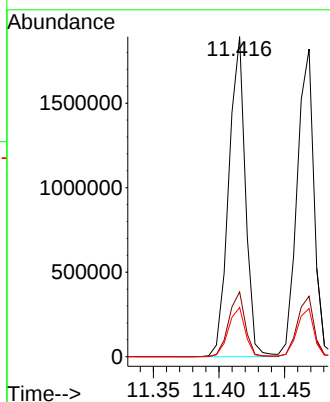
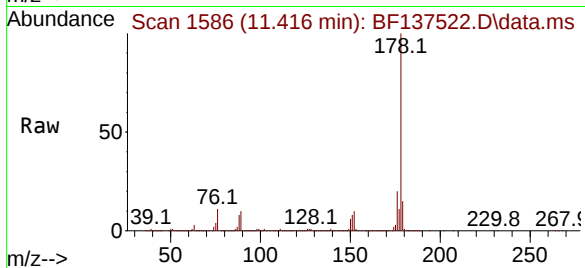
Tgt Ion:178 Resp: 1673827

Ion Ratio Lower Upper

178 100

176 20.2 15.8 23.8

179 15.4 12.2 18.2



#72

Anthracene

Concen: 39.347 ng

RT: 11.469 min Scan# 1595

Delta R.T. 0.000 min

Lab File: BF137522.D

Acq: 06 Mar 2024 16:55

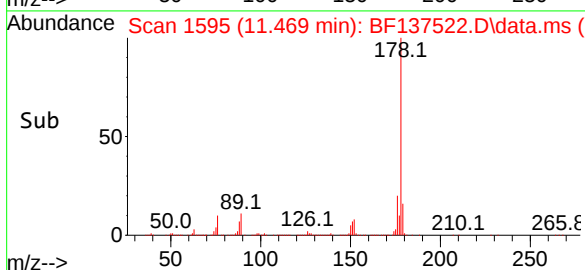
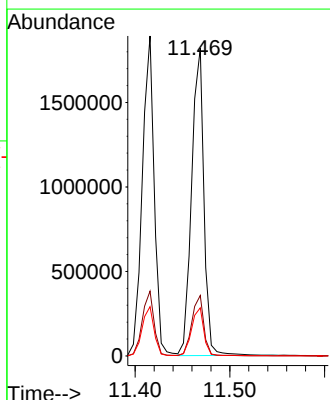
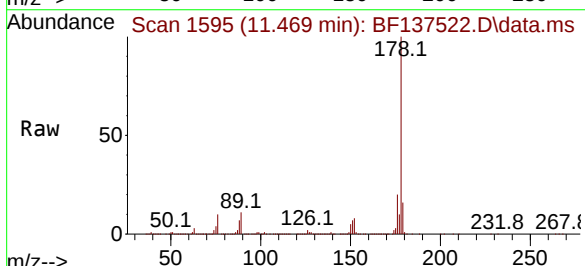
Tgt Ion:178 Resp: 1646377

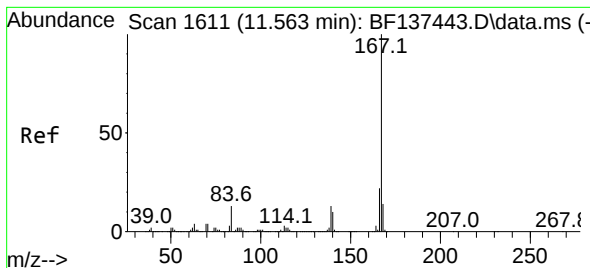
Ion Ratio Lower Upper

178 100

176 19.7 15.7 23.5

179 15.6 12.7 19.1





#73

Carbazole

Concen: 39.393 ng

RT: 11.627 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF137522.D

Acq: 06 Mar 2024 16:55

Instrument :

BNA_F

ClientSampleId :

72-12002MSD

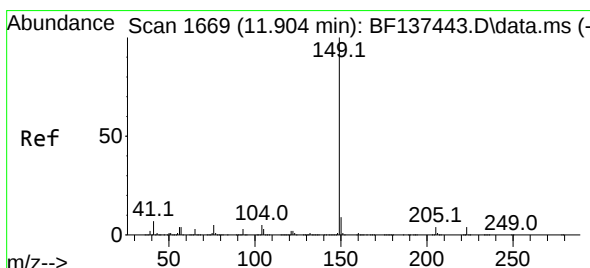
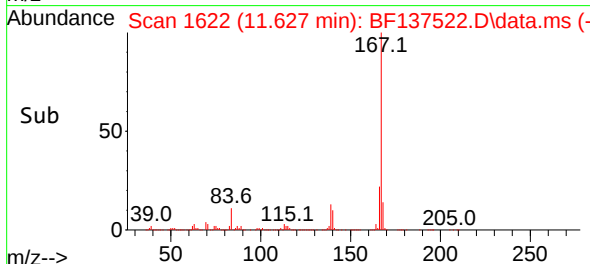
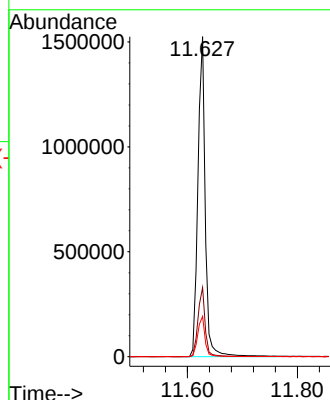
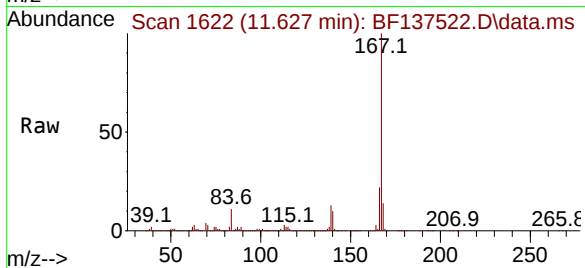
Tgt Ion:167 Resp: 1411887

Ion Ratio Lower Upper

167 100

166 21.6 17.8 26.8

139 12.6 10.5 15.7



#74

Di-n-butylphthalate

Concen: 42.332 ng

RT: 11.963 min Scan# 1679

Delta R.T. 0.000 min

Lab File: BF137522.D

Acq: 06 Mar 2024 16:55

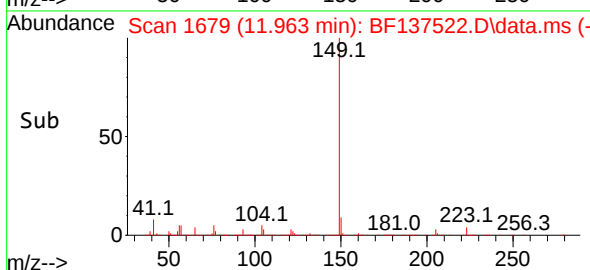
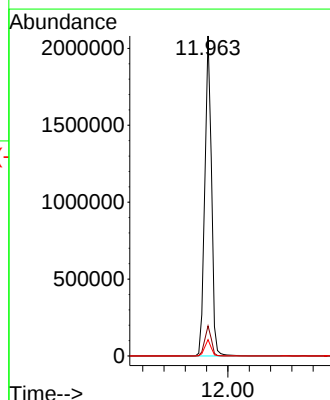
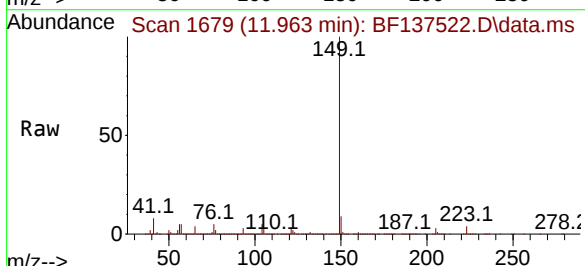
Tgt Ion:149 Resp: 1805144

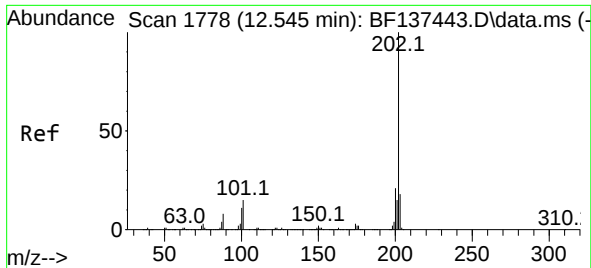
Ion Ratio Lower Upper

149 100

150 9.4 7.4 11.0

104 5.1 3.8 5.6

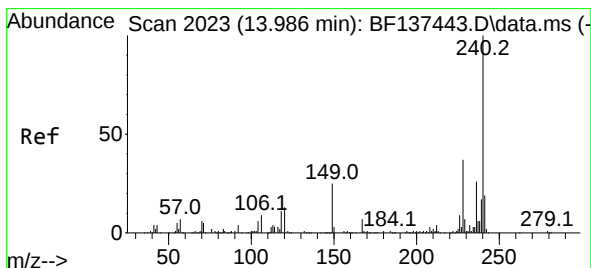
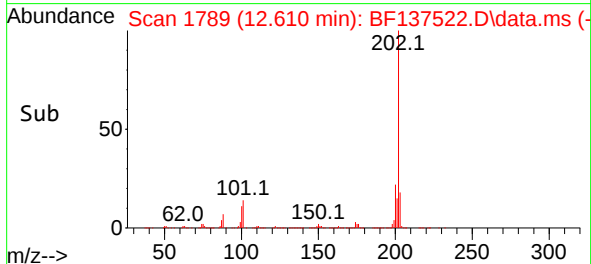
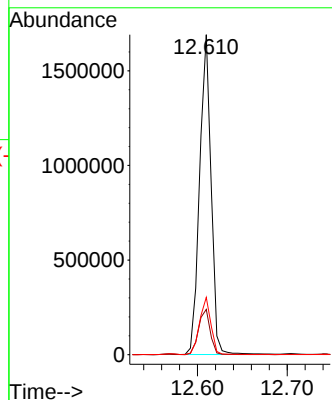
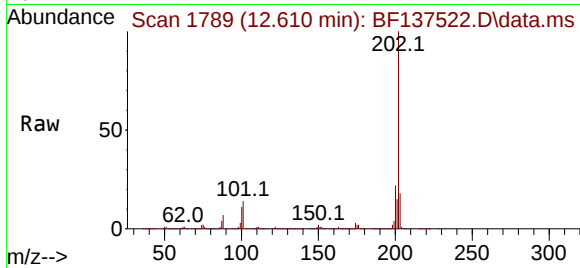




#75
Fluoranthene
Concen: 37.686 ng
RT: 12.610 min Scan# 1778
Delta R.T. 0.000 min
Lab File: BF137522.D
Acq: 06 Mar 2024 16:55

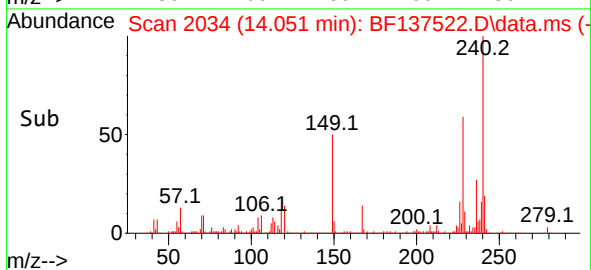
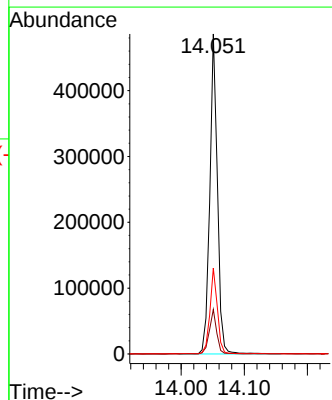
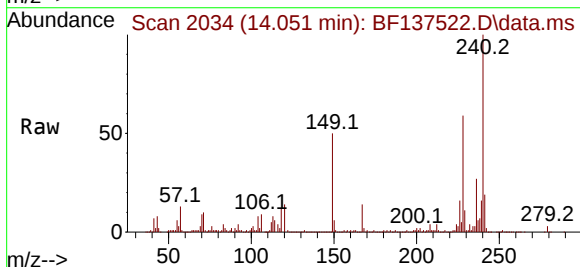
Instrument :
BNA_F
ClientSampleId :
72-12002MSD

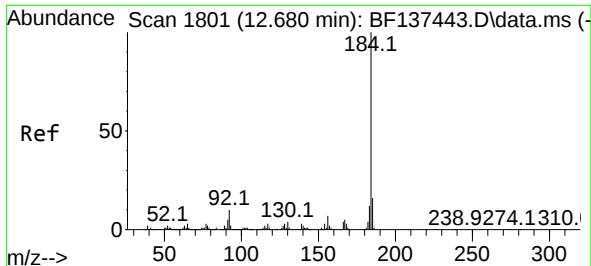
Tgt Ion:202 Resp: 1500756
Ion Ratio Lower Upper
202 100
101 14.1 0.0 35.0
203 17.9 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2034
Delta R.T. 0.000 min
Lab File: BF137522.D
Acq: 06 Mar 2024 16:55

Tgt Ion:240 Resp: 409647
Ion Ratio Lower Upper
240 100
120 13.9 10.4 15.6
236 26.8 20.9 31.3

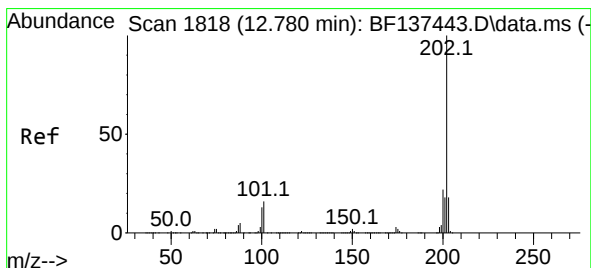
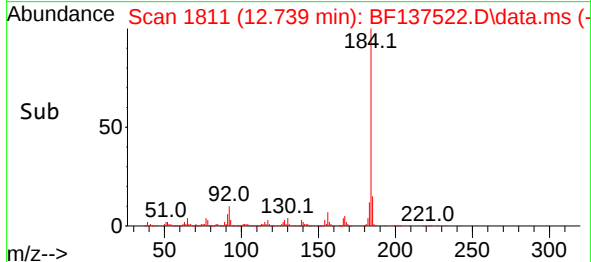
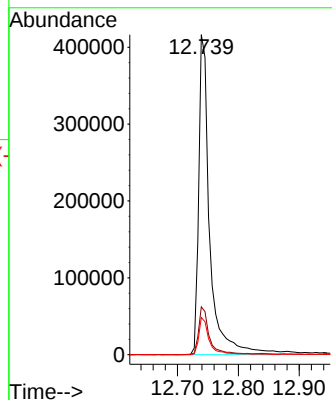
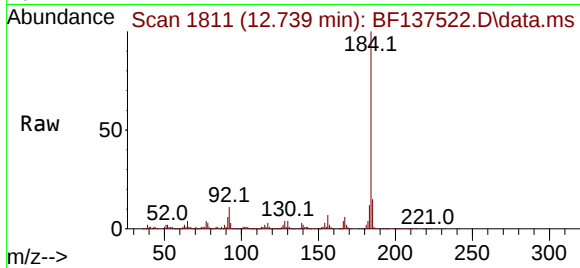




#77
Benzidine
Concen: 52.156 ng
RT: 12.739 min Scan# 1811
Delta R.T. 0.000 min
Lab File: BF137522.D
Acq: 06 Mar 2024 16:55

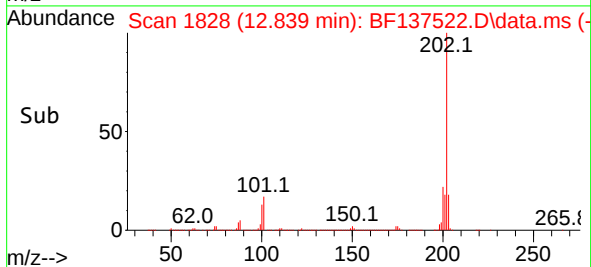
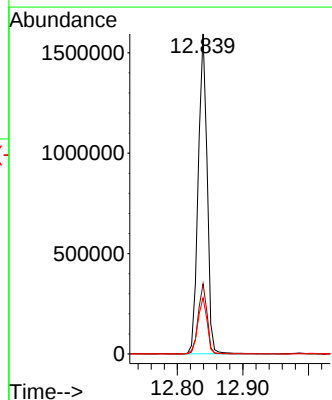
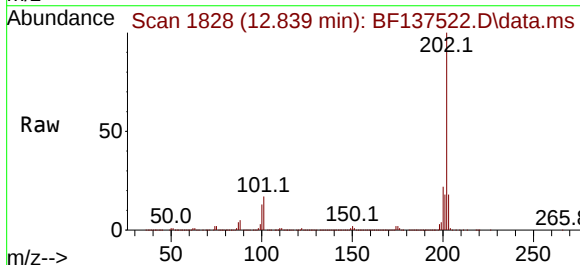
Instrument :
BNA_F
ClientSampleId :
72-12002MSD

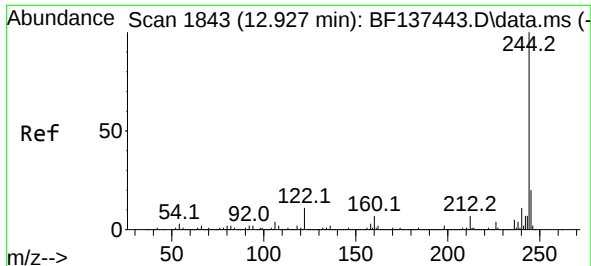
Tgt Ion:184 Resp: 522864
Ion Ratio Lower Upper
184 100
185 14.9 13.2 19.8
183 11.6 9.3 13.9



#78
Pyrene
Concen: 37.521 ng
RT: 12.839 min Scan# 1828
Delta R.T. 0.000 min
Lab File: BF137522.D
Acq: 06 Mar 2024 16:55

Tgt Ion:202 Resp: 1508165
Ion Ratio Lower Upper
202 100
200 21.9 17.4 26.2
203 17.6 14.1 21.1

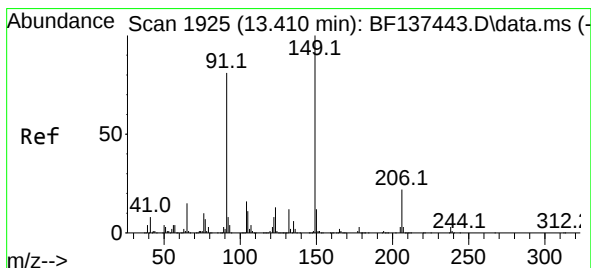
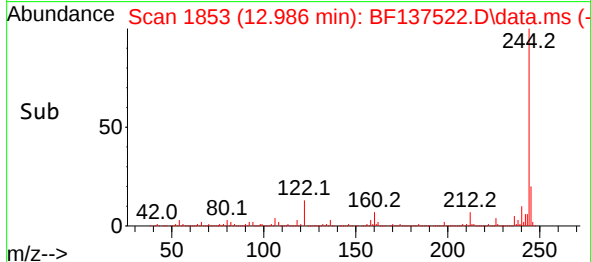
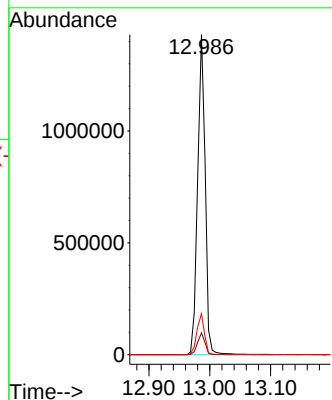
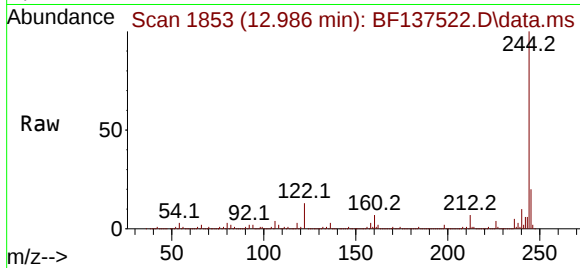




#79
 Terphenyl-d14
 Concen: 41.496 ng
 RT: 12.986 min Scan# 1843
 Delta R.T. -0.006 min
 Lab File: BF137522.D
 Acq: 06 Mar 2024 16:55

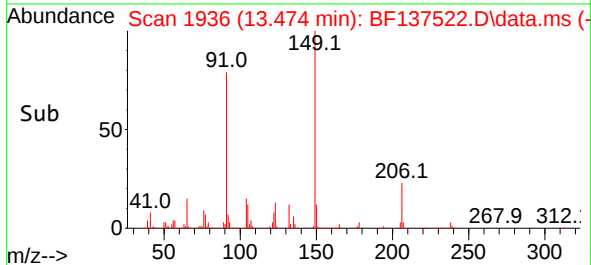
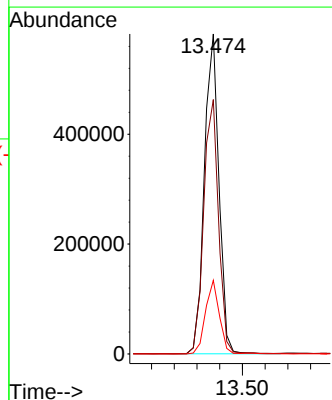
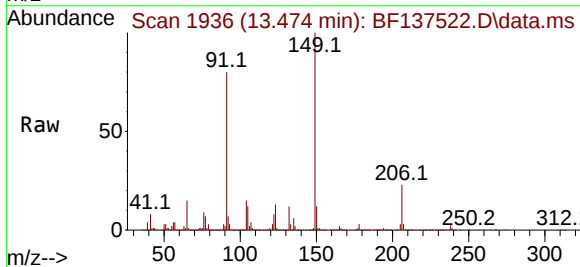
Instrument :
 BNA_F
 ClientSampleId :
 72-12002MSD

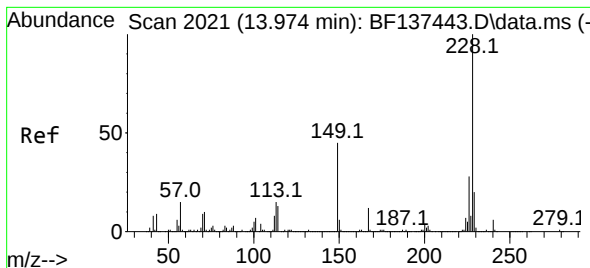
Tgt Ion:244 Resp: 1236185
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.2
 122 12.8 9.1 13.7



#80
 Butylbenzylphthalate
 Concen: 50.397 ng
 RT: 13.474 min Scan# 1936
 Delta R.T. 0.006 min
 Lab File: BF137522.D
 Acq: 06 Mar 2024 16:55

Tgt Ion:149 Resp: 517343
 Ion Ratio Lower Upper
 149 100
 91 79.5 64.7 97.1
 206 23.0 17.5 26.3





#81

Benzo(a)anthracene

Concen: 42.487 ng

RT: 14.039 min Scan# 2027

Delta R.T. 0.000 min

Lab File: BF137522.D

Acq: 06 Mar 2024 16:55

Instrument :

BNA_F

ClientSampleId :

72-12002MSD

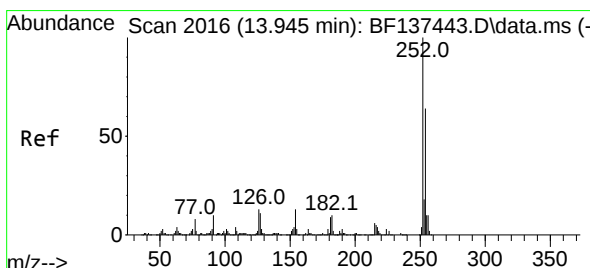
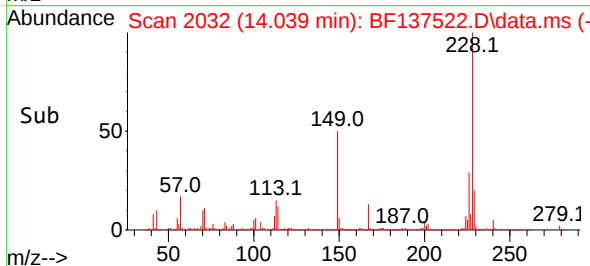
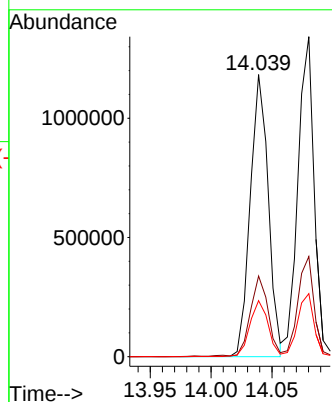
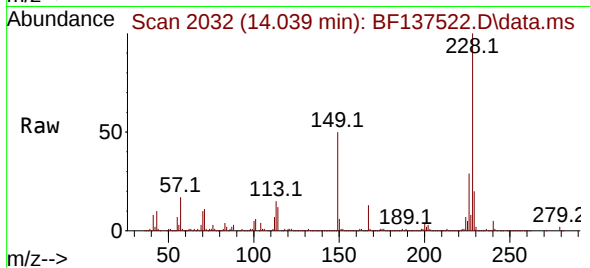
Tgt Ion:228 Resp: 1219865

Ion Ratio Lower Upper

228 100

226 28.6 22.3 33.5

229 19.9 16.3 24.5



#82

3,3'-Dichlorobenzidine

Concen: 39.269 ng

RT: 14.010 min Scan# 2027

Delta R.T. 0.006 min

Lab File: BF137522.D

Acq: 06 Mar 2024 16:55

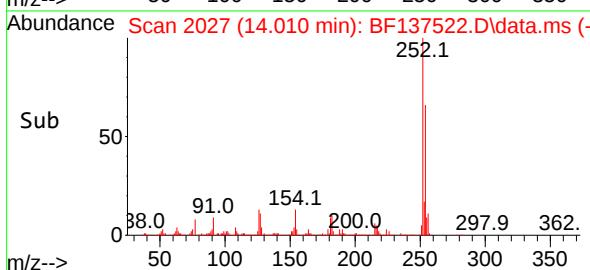
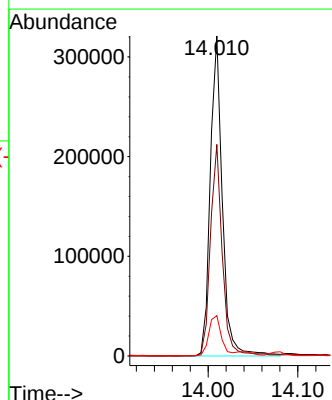
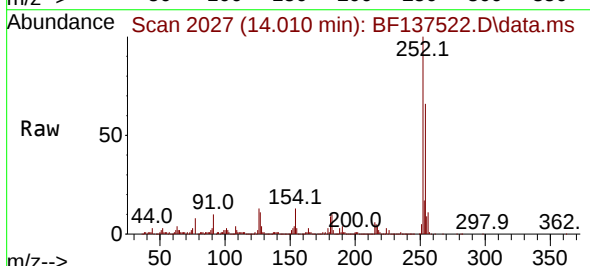
Tgt Ion:252 Resp: 300247

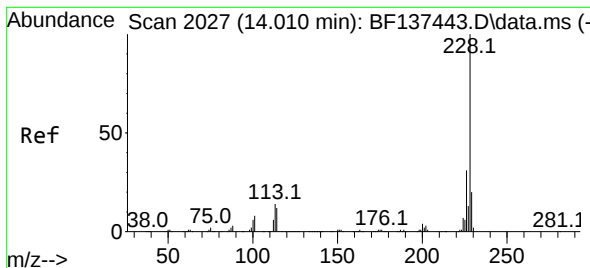
Ion Ratio Lower Upper

252 100

254 66.1 51.4 77.2

126 12.6 10.4 15.6





#83

Chrysene

Concen: 42.934 ng

RT: 14.080 min Scan# 2033

Delta R.T. 0.006 min

Lab File: BF137522.D

Acq: 06 Mar 2024 16:55

Instrument :

BNA_F

ClientSampleId :

72-12002MSD

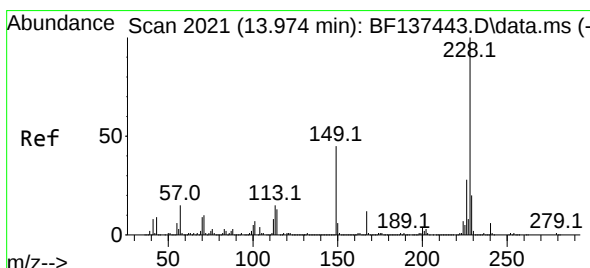
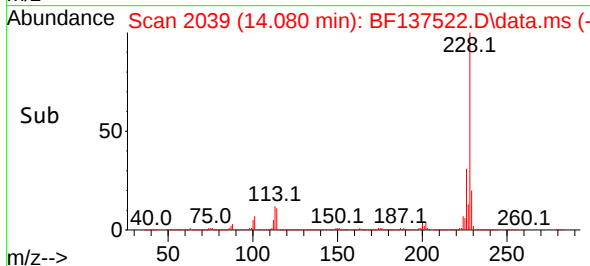
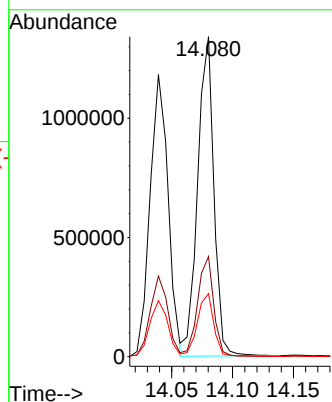
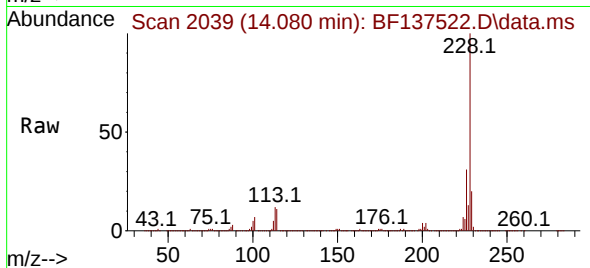
Tgt Ion:228 Resp: 1245888

Ion Ratio Lower Upper

228 100

226 31.3 24.7 37.1

229 19.7 15.9 23.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 53.815 ng

RT: 14.045 min Scan# 2033

Delta R.T. 0.006 min

Lab File: BF137522.D

Acq: 06 Mar 2024 16:55

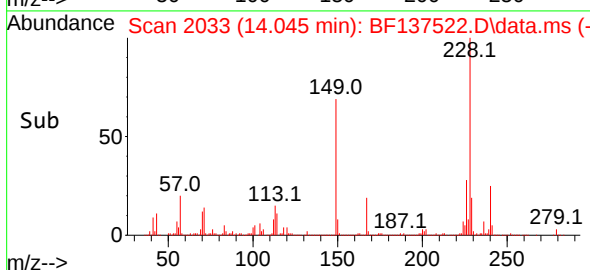
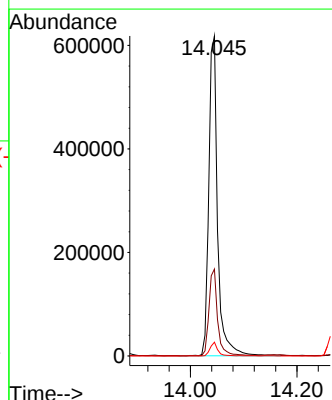
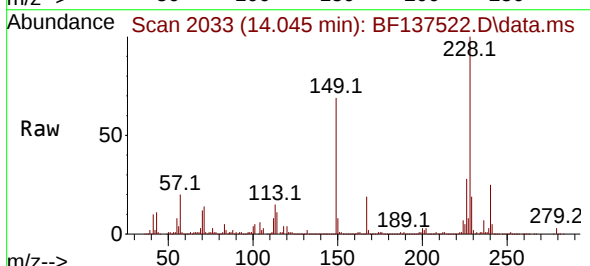
Tgt Ion:149 Resp: 702157

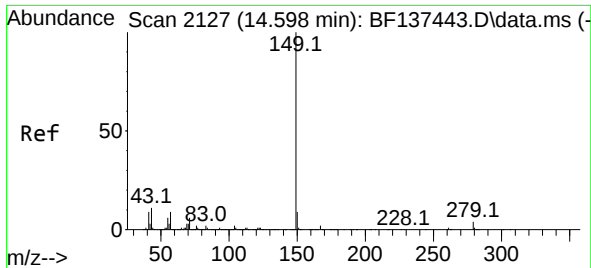
Ion Ratio Lower Upper

149 100

167 27.2 21.3 31.9

279 4.3 2.6 4.0#

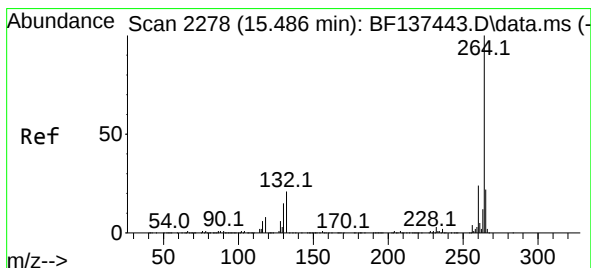
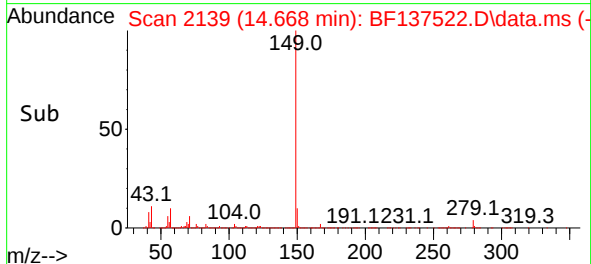
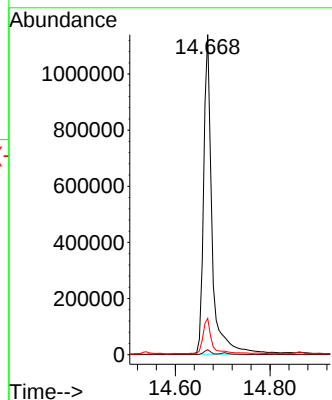
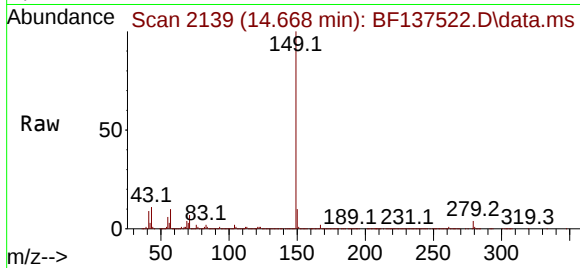




#85
Di-n-octyl phthalate
Concen: 55.163 ng
RT: 14.668 min Scan# 2127
Delta R.T. 0.006 min
Lab File: BF137522.D
Acq: 06 Mar 2024 16:55

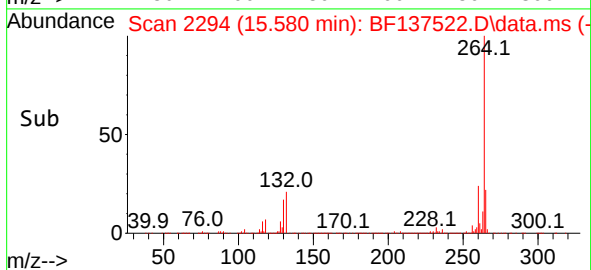
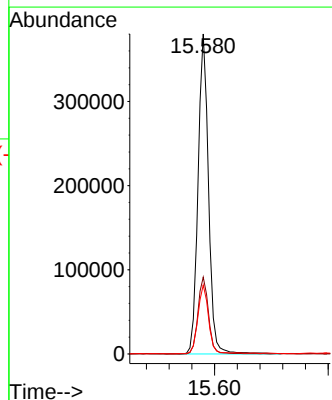
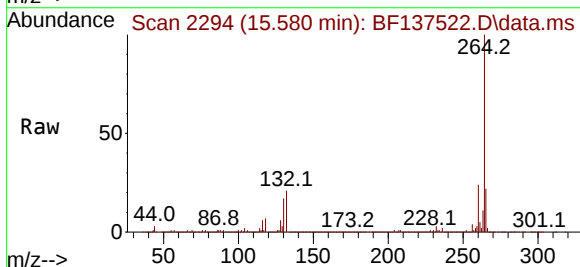
Instrument :
BNA_F
ClientSampleId :
72-12002MSD

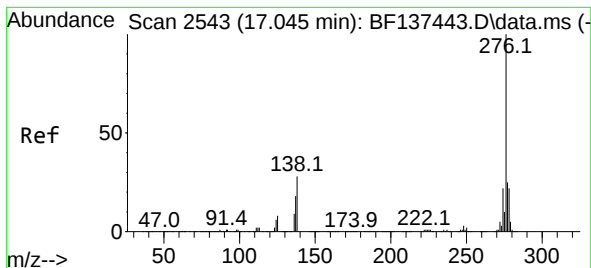
Tgt Ion:149 Resp: 1410978
Ion Ratio Lower Upper
149 100
167 1.2 1.2 1.8
43 11.2 9.6 14.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2294
Delta R.T. 0.012 min
Lab File: BF137522.D
Acq: 06 Mar 2024 16:55

Tgt Ion:264 Resp: 489893
Ion Ratio Lower Upper
264 100
260 24.0 19.3 28.9
265 21.6 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 33.135 ng

RT: 17.168 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF137522.D

Acq: 06 Mar 2024 16:55

Instrument :

BNA_F

ClientSampleId :

72-12002MSD

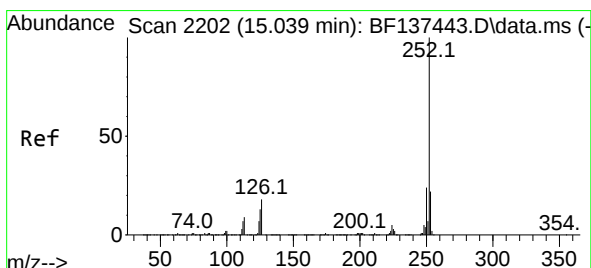
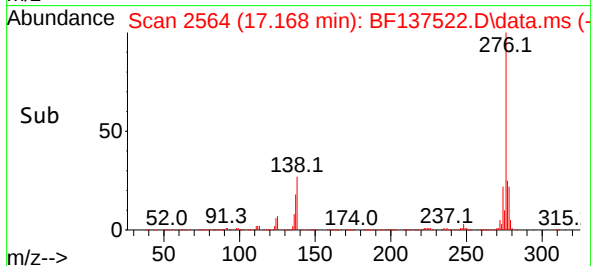
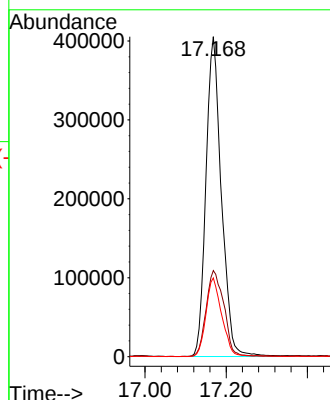
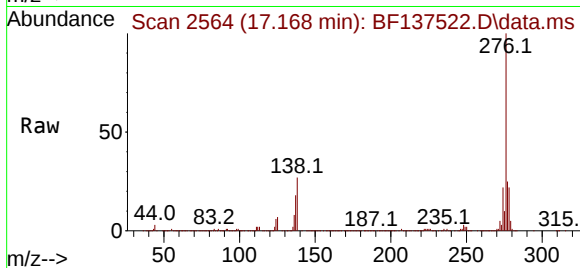
Tgt Ion:276 Resp: 1068206

Ion Ratio Lower Upper

276 100

138 30.7 25.8 38.8

277 25.3 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 43.813 ng

RT: 15.127 min Scan# 2217

Delta R.T. 0.012 min

Lab File: BF137522.D

Acq: 06 Mar 2024 16:55

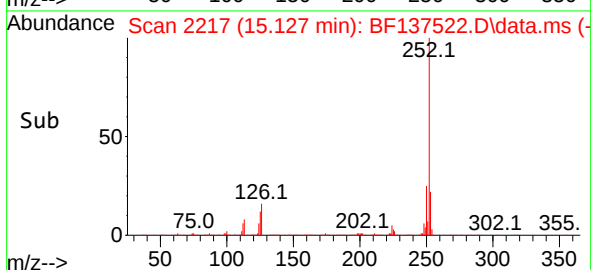
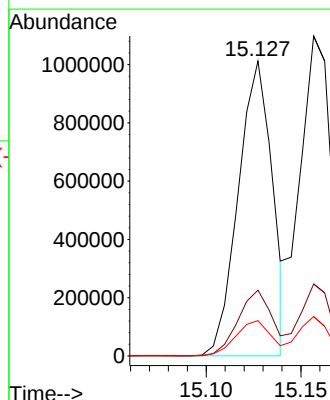
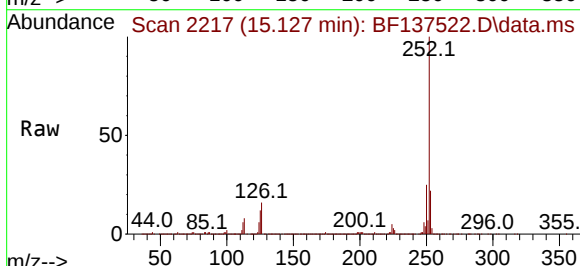
Tgt Ion:252 Resp: 1269668

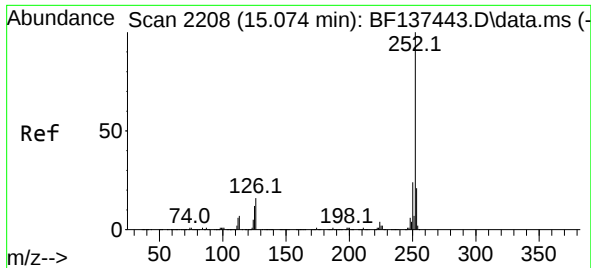
Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.8

125 12.0 10.1 15.1

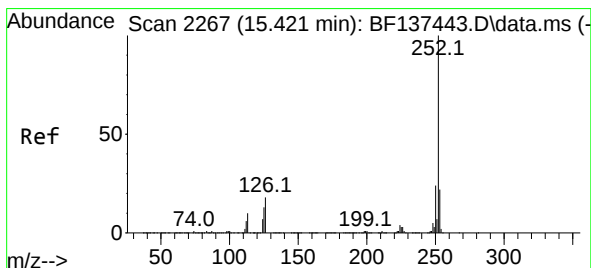
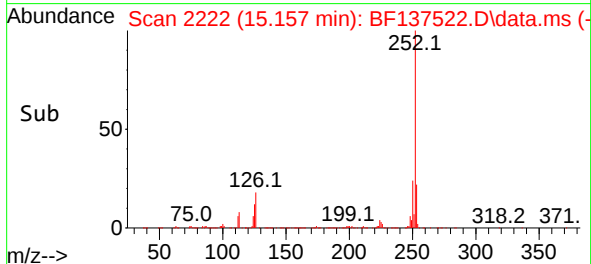
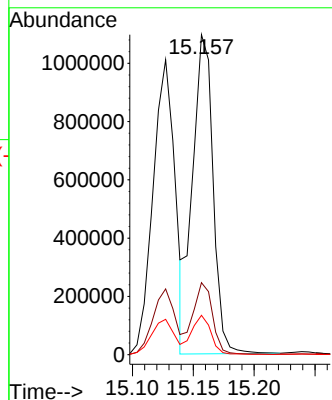
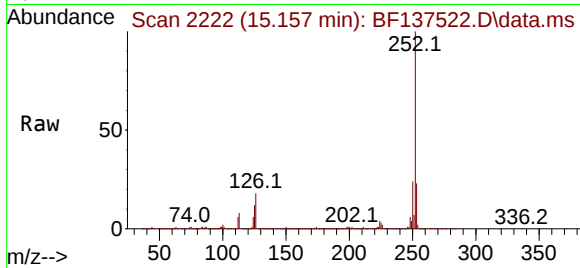




#89
Benzo(k)fluoranthene
Concen: 41.266 ng
RT: 15.157 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF137522.D
Acq: 06 Mar 2024 16:55

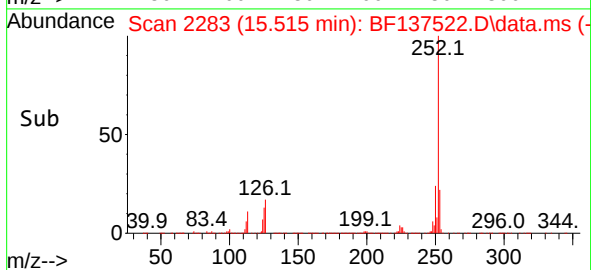
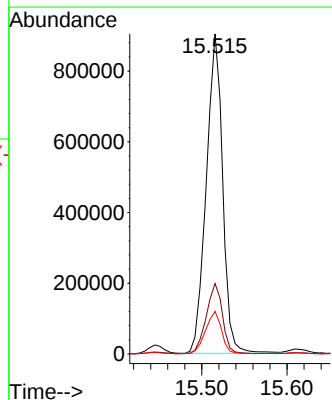
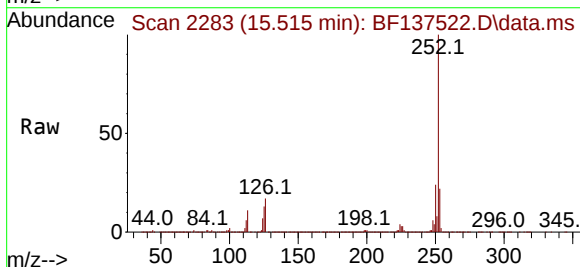
Instrument :
BNA_F
ClientSampleId :
72-12002MSD

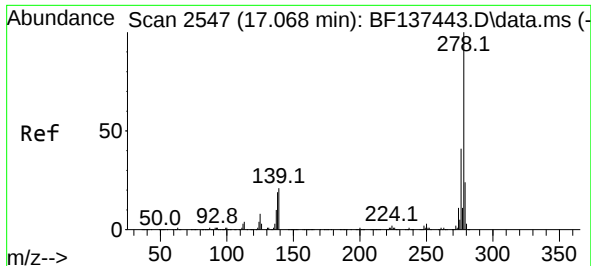
Tgt Ion:252 Resp: 1284471
Ion Ratio Lower Upper
252 100
253 22.5 17.3 25.9
125 12.3 9.6 14.4



#90
Benzo(a)pyrene
Concen: 42.383 ng
RT: 15.515 min Scan# 2283
Delta R.T. 0.012 min
Lab File: BF137522.D
Acq: 06 Mar 2024 16:55

Tgt Ion:252 Resp: 1210338
Ion Ratio Lower Upper
252 100
253 22.0 17.4 26.2
125 13.3 10.4 15.6

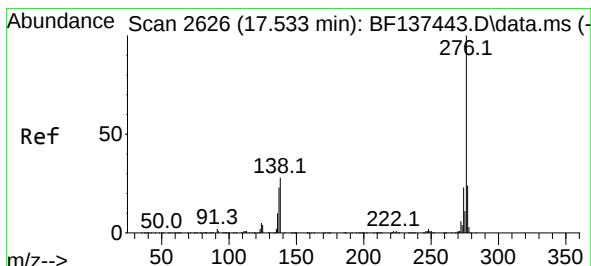
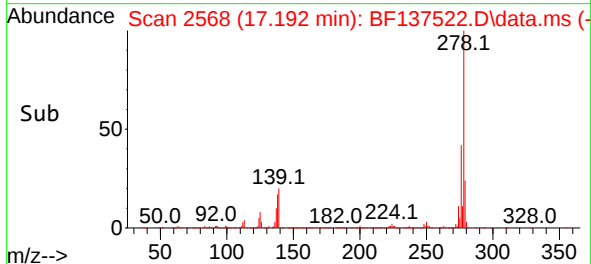
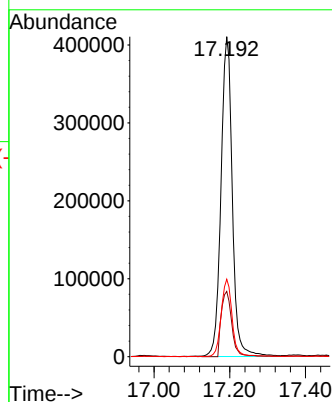
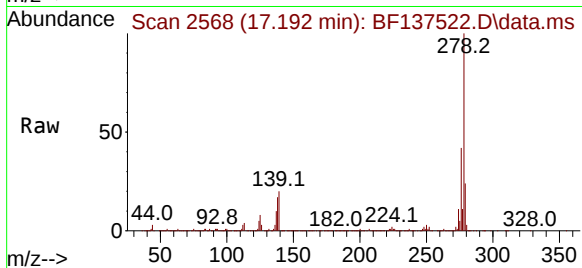




#91
Dibenzo(a,h)anthracene
Concen: 32.761 ng
RT: 17.192 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF137522.D
Acq: 06 Mar 2024 16:55

Instrument :
BNA_F
ClientSampleId :
72-12002MSD

Tgt Ion:278 Resp: 856758
Ion Ratio Lower Upper
278 100
139 20.4 17.0 25.6
279 24.2 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 28.472 ng
RT: 17.651 min Scan# 2646
Delta R.T. 0.012 min
Lab File: BF137522.D
Acq: 06 Mar 2024 16:55

Tgt Ion:276 Resp: 764707
Ion Ratio Lower Upper
276 100
277 24.0 19.0 28.4
138 26.3 22.2 33.2

