

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030224\
 Data File : BF137473.D
 Acq On : 02 Mar 2024 14:52
 Operator : CG\JU
 Sample : PB159389BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB159389BS

Quant Time: Mar 04 00:33:14 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 04 00:26:53 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	214957	20.000	ng	0.00
21) Naphthalene-d8	8.134	136	874513	20.000	ng	0.00
39) Acenaphthene-d10	9.892	164	483370	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	872157	20.000	ng	0.00
76) Chrysene-d12	14.051	240	504525	20.000	ng	0.00
86) Perylene-d12	15.574	264	432696	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	1770145	124.720	ng	0.01
7) Phenol-d6	6.510	99	2427446	118.487	ng	0.00
23) Nitrobenzene-d5	7.422	82	1558778	82.820	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	590558	139.124	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	2469237	79.965	ng	0.00
79) Terphenyl-d14	12.992	244	2995319	81.639	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.781	88	290223	37.398	ng	99
3) Pyridine	3.551	79	625093	33.398	ng	99
4) n-Nitrosodimethylamine	3.528	42	341701	45.302	ng	93
6) Aniline	6.534	93	610897	24.403	ng	100
8) 2-Chlorophenol	6.651	128	704051	47.031	ng	98
10) Phenol	6.522	94	947933	42.988	ng	98
11) bis(2-Chloroethyl)ether	6.604	93	698762	43.244	ng	99
12) 1,3-Dichlorobenzene	6.798	146	720883	45.065	ng	100
13) 1,4-Dichlorobenzene	6.875	146	740741	45.259	ng	98
14) 1,2-Dichlorobenzene	7.028	146	696065	46.335	ng	97
15) Benzyl Alcohol	7.004	79	618092	48.461	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.134	45	1189844	42.838	ng	97
17) 2-Methylphenol	7.116	107	601935	42.972	ng	98
18) Hexachloroethane	7.363	117	251754	46.715	ng	95
19) n-Nitroso-di-n-propyla...	7.275	70	524760	41.480	ng	97
20) 3+4-Methylphenols	7.269	107	670612	41.801	ng	98
22) Acetophenone	7.269	105	934141	44.148	ng	# 95
24) Nitrobenzene	7.439	77	822765	43.517	ng	99
25) Isophorone	7.681	82	1560995	43.655	ng	98
26) 2-Nitrophenol	7.757	139	355669	47.383	ng	95
27) 2,4-Dimethylphenol	7.792	122	565445	40.315	ng	99
28) bis(2-Chloroethoxy)met...	7.892	93	907272	43.245	ng	100
29) 2,4-Dichlorophenol	7.998	162	584068	45.373	ng	98
30) 1,2,4-Trichlorobenzene	8.075	180	612407	45.208	ng	99
31) Naphthalene	8.157	128	1972301	42.035	ng	99
32) Benzoic acid	7.939	122	365400	45.601	ng	97
33) 4-Chloroaniline	8.210	127	185605	10.088	ng	98
34) Hexachlorobutadiene	8.275	225	351644	43.970	ng	100
35) Caprolactam	8.586	113	116922	26.787	ng	96
36) 4-Chloro-3-methylphenol	8.698	107	658189	45.743	ng	99
37) 2-Methylnaphthalene	8.851	142	1213010	40.553	ng	99
38) 1-Methylnaphthalene	8.951	142	1180212	41.898	ng	99
40) 1,2,4,5-Tetrachloroben...	9.016	216	608512	45.093	ng	99
41) Hexachlorocyclopentadiene	9.004	237	530817	94.701	ng	99
43) 2,4,6-Trichlorophenol	9.133	196	402023	45.748	ng	99
44) 2,4,5-Trichlorophenol	9.181	196	431136	42.590	ng	98

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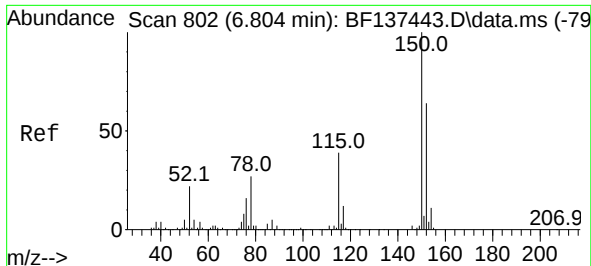
Quant Time: Mar 04 00:33:14 2024
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	9.316	154	1555067	43.955	ng	99
47) 2-Chloronaphthalene	9.339	162	1213187	44.978	ng	99
48) 2-Nitroaniline	9.445	65	437221	47.690	ng	97
49) Acenaphthylene	9.757	152	1938763	44.914	ng	99
50) Dimethylphthalate	9.628	163	1460460	43.404	ng	100
51) 2,6-Dinitrotoluene	9.686	165	327915	46.593	ng	98
52) Acenaphthene	9.928	154	1087659	42.206	ng	99
53) 3-Nitroaniline	9.857	138	182269	24.485	ng	95
54) 2,4-Dinitrophenol	9.963	184	335180	95.829	ng	93
55) Dibenzofuran	10.104	168	1663750	42.388	ng	99
56) 4-Nitrophenol	10.028	139	498333	93.295	ng	92
57) 2,4-Dinitrotoluene	10.092	165	404486	46.780	ng	91
58) Fluorene	10.445	166	1257075	41.703	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.222	232	372666	45.908	ng	94
60) Diethylphthalate	10.328	149	1387533	43.668	ng	99
61) 4-Chlorophenyl-phenyle...	10.439	204	605615	40.994	ng	98
62) 4-Nitroaniline	10.480	138	286365	44.757	ng	99
63) Azobenzene	10.604	77	1589445	43.441	ng	99
65) 4,6-Dinitro-2-methylph...	10.504	198	230100	47.337	ng	86
66) n-Nitrosodiphenylamine	10.563	169	1174793	41.830	ng	99
67) 4-Bromophenyl-phenylether	10.933	248	399860	42.093	ng	97
68) Hexachlorobenzene	10.992	284	439573	45.815	ng	99
69) Atrazine	11.098	200	393017	46.034	ng	97
70) Pentachlorophenol	11.192	266	502654	86.664	ng	99
71) Phenanthrene	11.416	178	1985659	41.835	ng	99
72) Anthracene	11.469	178	2020567	41.449	ng	99
73) Carbazole	11.627	167	1828550	43.791	ng	99
74) Di-n-butylphthalate	11.963	149	2157229	43.422	ng	99
75) Fluoranthene	12.610	202	2024227	43.630	ng	99
77) Benzidine	12.745	184	259236	20.996	ng	99
78) Pyrene	12.839	202	2087107	42.159	ng	99
80) Butylbenzylphthalate	13.474	149	636557	50.349	ng	97
81) Benzo(a)anthracene	14.039	228	1522279	43.049	ng	99
82) 3,3'-Dichlorobenzidine	14.010	252	285322	30.299	ng	98
83) Chrysene	14.080	228	1525521	42.684	ng	99
84) Bis(2-ethylhexyl)phtha...	14.039	149	780730	48.584	ng	100
85) Di-n-octyl phthalate	14.663	149	1313887	43.075	ng	99
87) Indeno(1,2,3-cd)pyrene	17.162	276	1361020	47.798	ng	98
88) Benzo(b)fluoranthene	15.121	252	1321158	51.617	ng	99
89) Benzo(k)fluoranthene	15.151	252	1153287	41.950	ng	99
90) Benzo(a)pyrene	15.510	252	1098367	43.546	ng	100
91) Dibenzo(a,h)anthracene	17.186	278	1100884	47.660	ng	99
92) Benzo(g,h,i)perylene	17.645	276	1122654	47.325	ng	99

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

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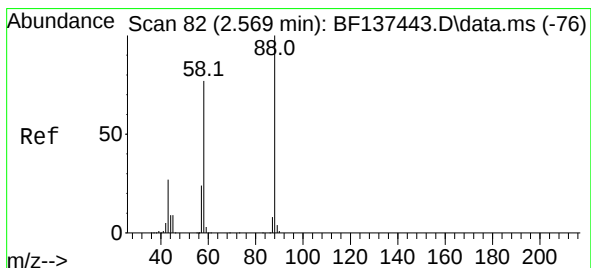
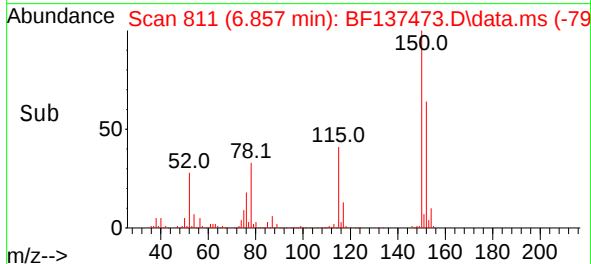
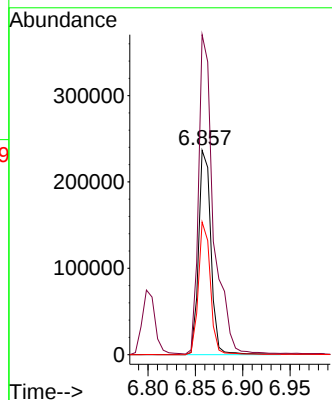
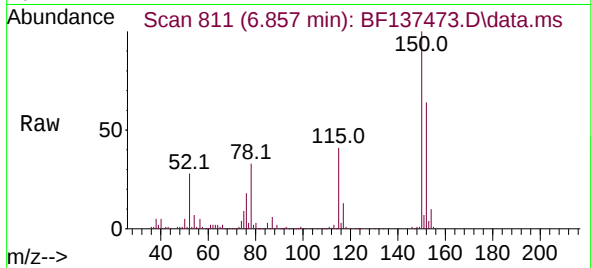




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF137473.D
Acq: 02 Mar 2024 14:52

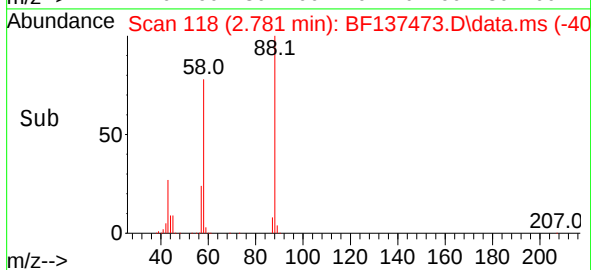
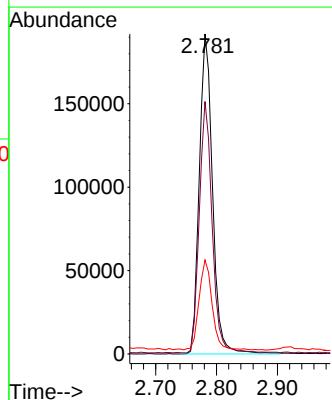
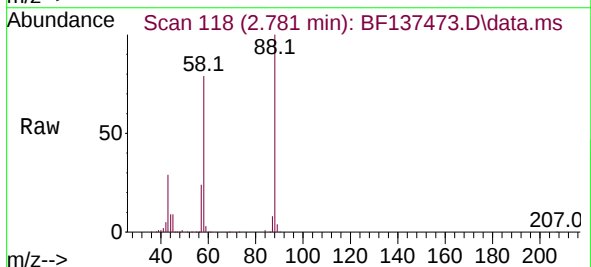
Instrument :
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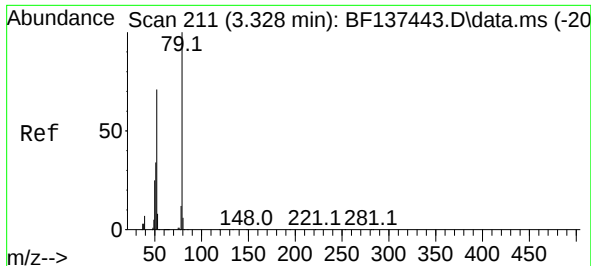
Tgt Ion:152 Resp: 214957
Ion Ratio Lower Upper
152 100
150 156.6 125.8 188.6
115 64.9 48.8 73.2



#2
1,4-Dioxane
Concen: 37.398 ng
RT: 2.781 min Scan# 118
Delta R.T. 0.106 min
Lab File: BF137473.D
Acq: 02 Mar 2024 14:52

Tgt Ion: 88 Resp: 290223
Ion Ratio Lower Upper
88 100
58 76.1 61.8 92.8
43 27.5 22.2 33.4

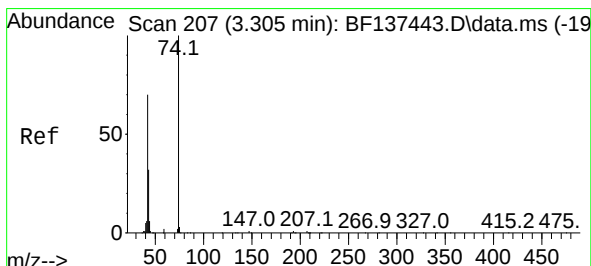
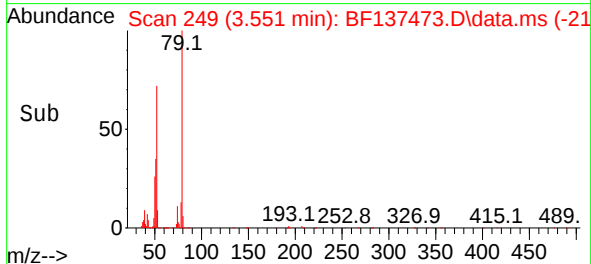
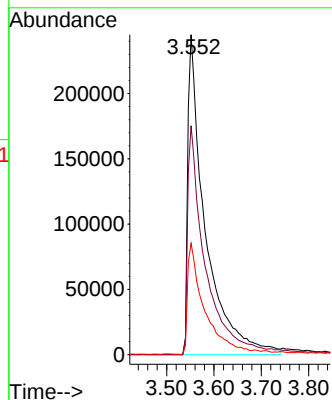
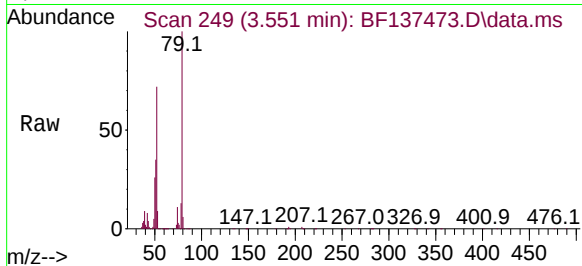




#3
Pyridine
Concen: 33.398 ng
RT: 3.551 min Scan# 249
Delta R.T. 0.088 min
Lab File: BF137473.D
Acq: 02 Mar 2024 14:52

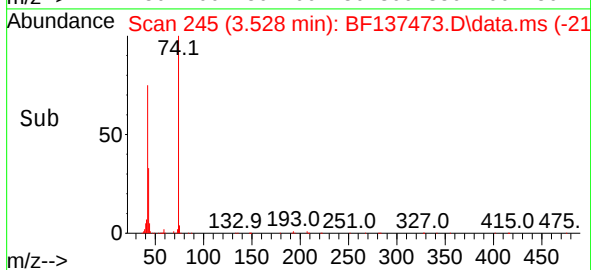
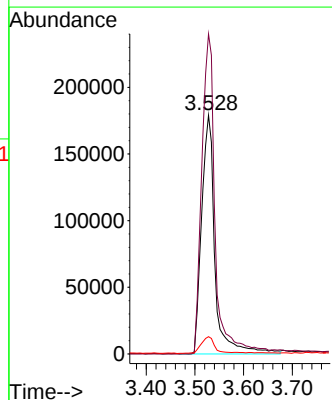
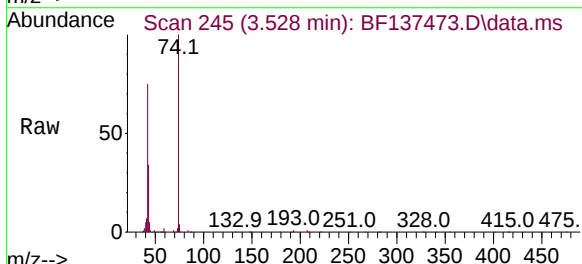
Instrument :
BNA_F
ClientSampleId :
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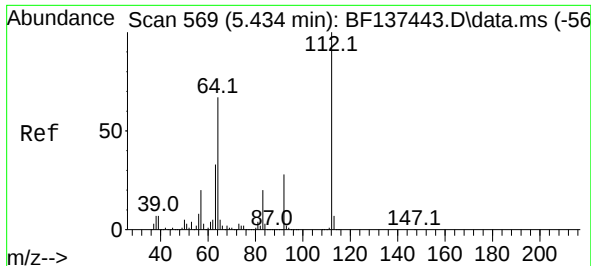
Tgt Ion: 79 Resp: 625093
Ion Ratio Lower Upper
79 100
52 71.5 57.0 85.4
51 34.8 27.5 41.3



#4
n-Nitrosodimethylamine
Concen: 45.302 ng
RT: 3.528 min Scan# 245
Delta R.T. 0.082 min
Lab File: BF137473.D
Acq: 02 Mar 2024 14:52

Tgt Ion: 42 Resp: 341701
Ion Ratio Lower Upper
42 100
74 134.0 114.0 171.0
44 7.2 7.0 10.4

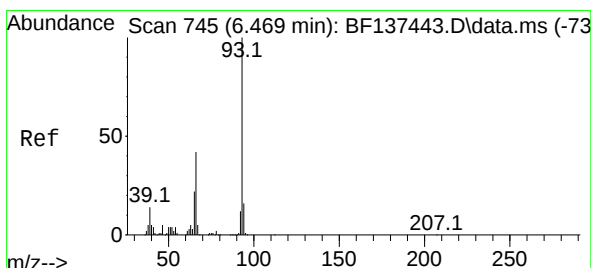
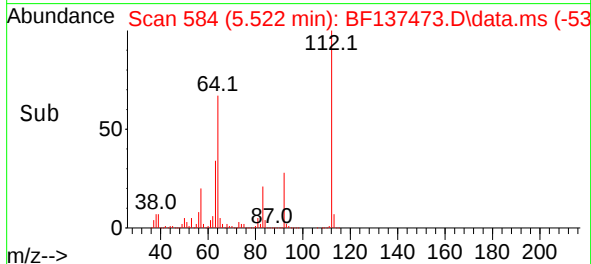
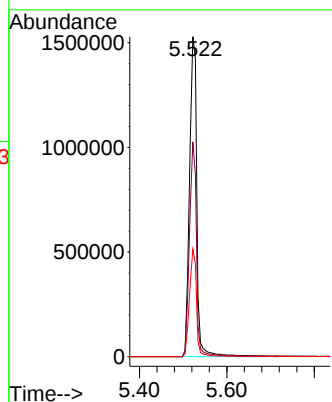
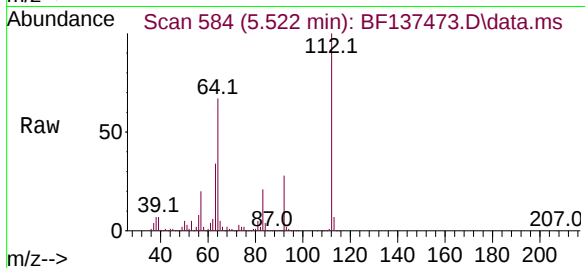




#5
2-Fluorophenol
Concen: 124.720 ng
RT: 5.522 min Scan# 51
Delta R.T. 0.012 min
Lab File: BF137473.D
Acq: 02 Mar 2024 14:52

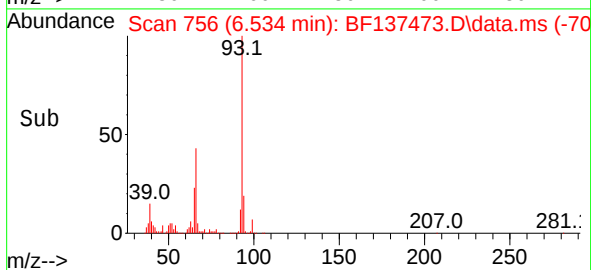
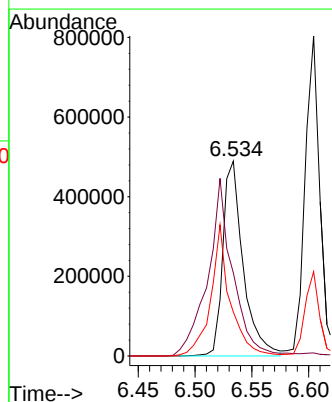
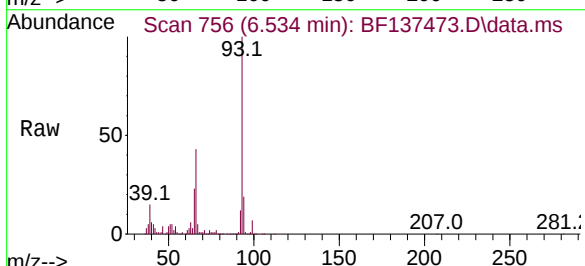
Instrument :
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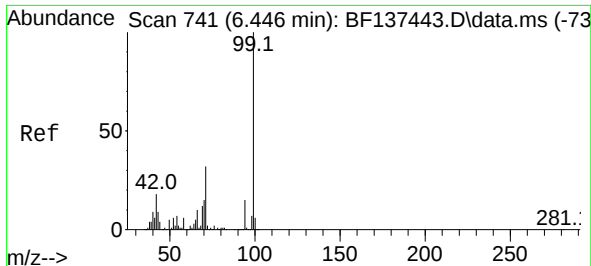
Tgt Ion:112 Resp: 1770145
Ion Ratio Lower Upper
112 100
64 67.1 53.4 80.2
63 33.6 26.2 39.2



#6
Aniline
Concen: 24.403 ng
RT: 6.534 min Scan# 756
Delta R.T. 0.000 min
Lab File: BF137473.D
Acq: 02 Mar 2024 14:52

Tgt Ion: 93 Resp: 610897
Ion Ratio Lower Upper
93 100
66 42.7 34.0 51.0
65 22.6 17.8 26.8

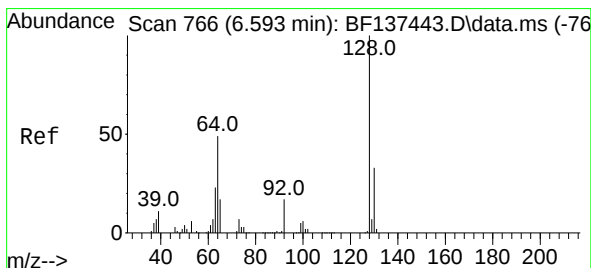
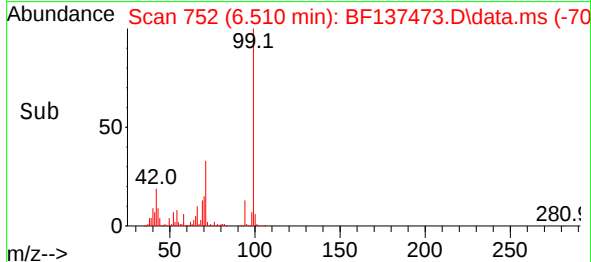
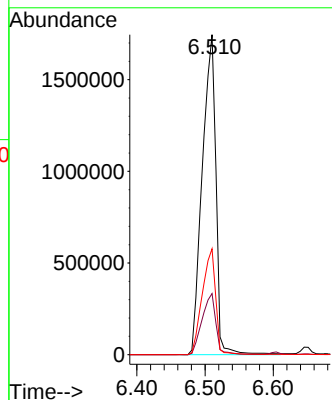
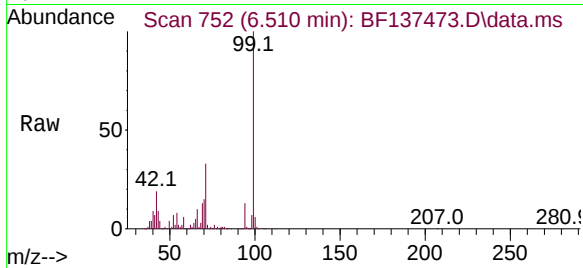




#7
Phenol-d6
Concen: 118.487 ng
RT: 6.510 min Scan# 741
Delta R.T. 0.006 min
Lab File: BF137473.D
Acq: 02 Mar 2024 14:52

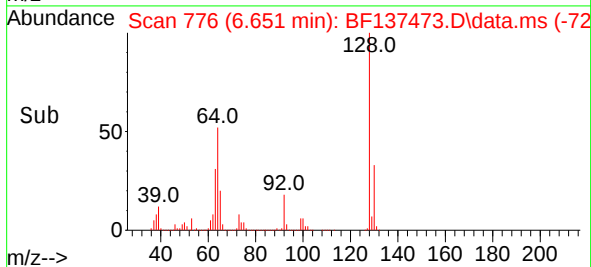
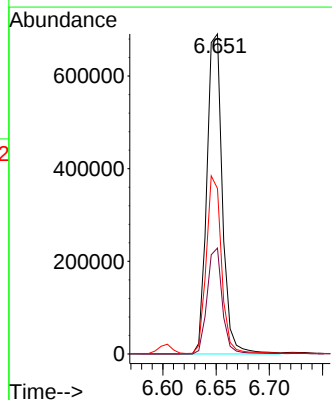
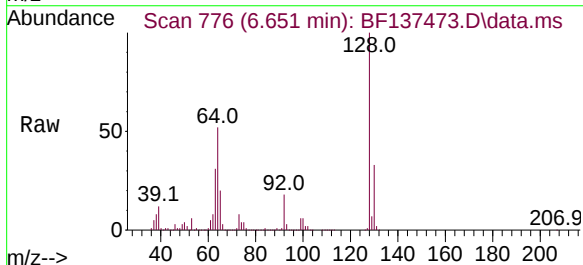
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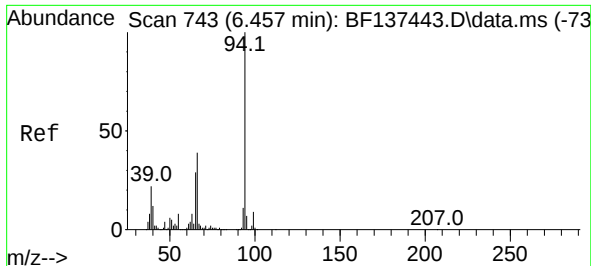
Tgt Ion: 99 Resp: 2427446
Ion Ratio Lower Upper
99 100
42 19.1 14.6 21.8
71 33.1 25.3 37.9



#8
2-Chlorophenol
Concen: 47.031 ng
RT: 6.651 min Scan# 776
Delta R.T. 0.000 min
Lab File: BF137473.D
Acq: 02 Mar 2024 14:52

Tgt Ion: 128 Resp: 704051
Ion Ratio Lower Upper
128 100
130 33.1 13.4 53.4
64 51.7 30.0 70.0

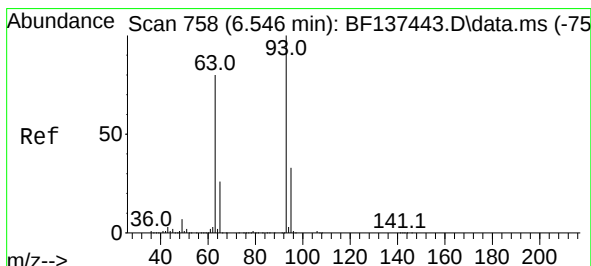
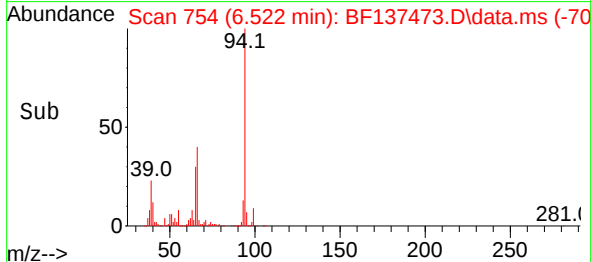
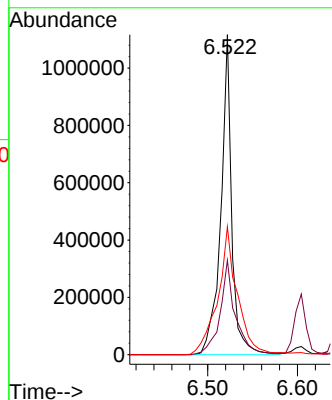
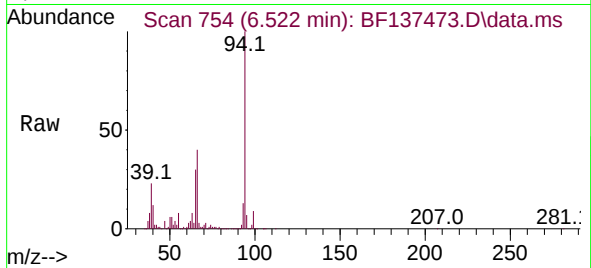




#10
Phenol
Concen: 42.988 ng
RT: 6.522 min Scan# 743
Delta R.T. 0.006 min
Lab File: BF137473.D
Acq: 02 Mar 2024 14:52

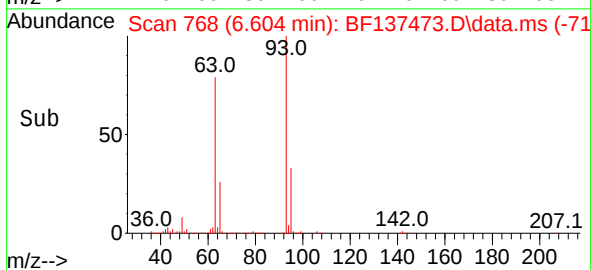
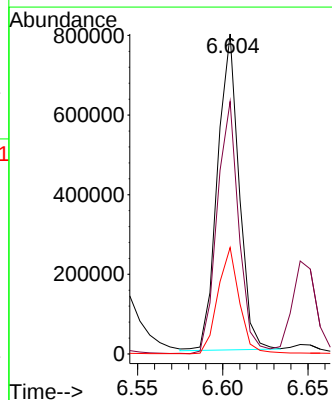
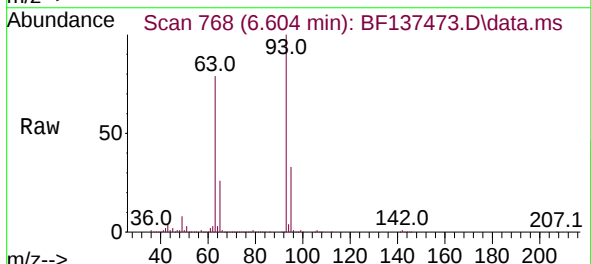
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ClientSampleId :
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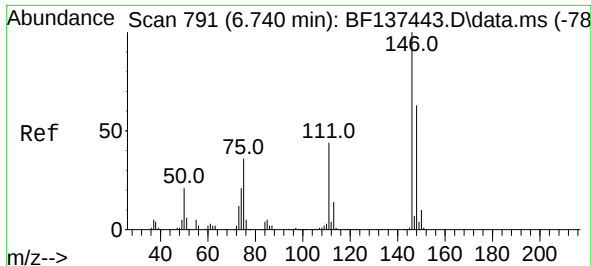
Tgt Ion: 94 Resp: 947933
Ion Ratio Lower Upper
94 100
65 29.5 8.7 48.7
66 39.9 18.6 58.6



#11
bis(2-Chloroethyl)ether
Concen: 43.244 ng
RT: 6.604 min Scan# 768
Delta R.T. 0.000 min
Lab File: BF137473.D
Acq: 02 Mar 2024 14:52

Tgt Ion: 93 Resp: 698762
Ion Ratio Lower Upper
93 100
63 78.9 58.9 98.9
95 33.3 12.2 52.2

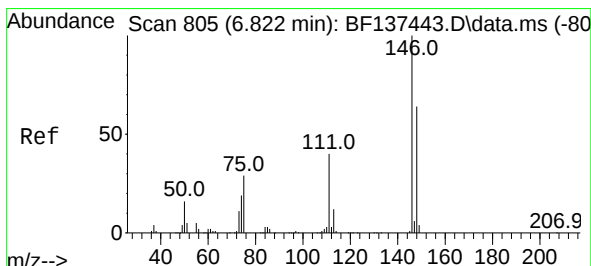
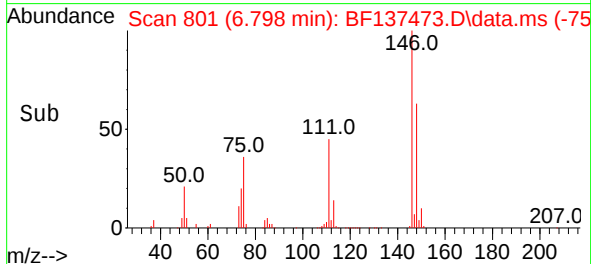
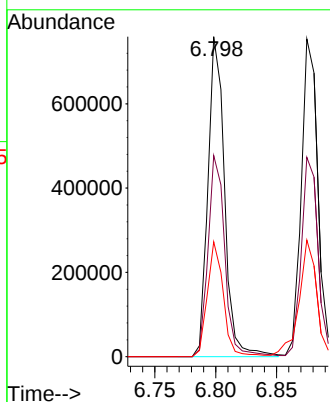
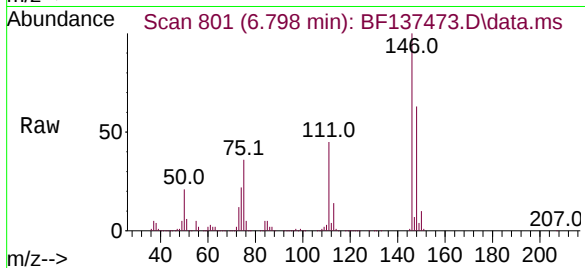




#12
1,3-Dichlorobenzene
Concen: 45.065 ng
RT: 6.798 min Scan# 801
Delta R.T. -0.006 min
Lab File: BF137473.D
Acq: 02 Mar 2024 14:52

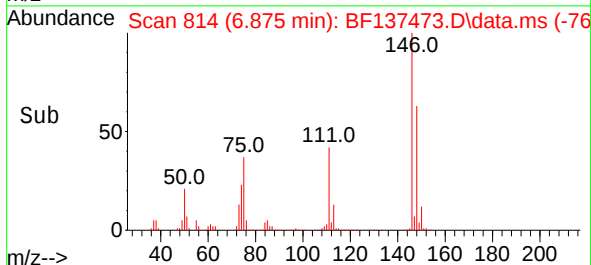
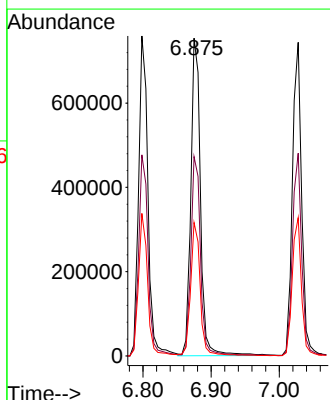
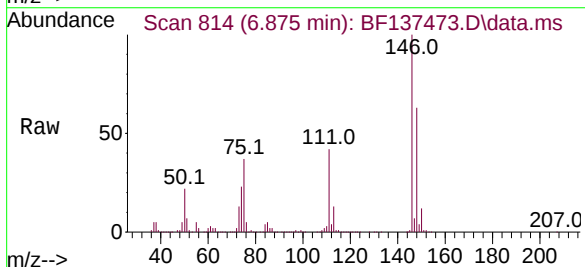
Instrument :
BNA_F
ClientSampleId :
PB159389BS

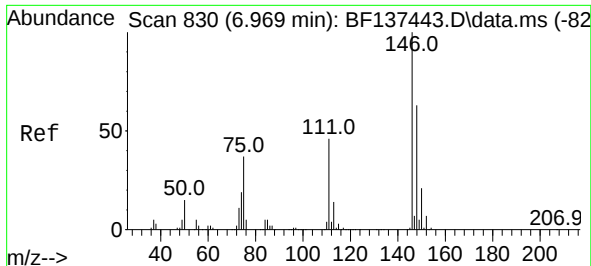
Tgt Ion:146 Resp: 720883
Ion Ratio Lower Upper
146 100
148 62.9 50.3 75.5
75 35.9 29.0 43.4



#13
1,4-Dichlorobenzene
Concen: 45.259 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF137473.D
Acq: 02 Mar 2024 14:52

Tgt Ion:146 Resp: 740741
Ion Ratio Lower Upper
146 100
148 62.7 51.2 76.8
111 42.0 32.4 48.6





#14

1,2-Dichlorobenzene

Concen: 46.335 ng

RT: 7.028 min Scan# 841

Delta R.T. 0.000 min

Lab File: BF137473.D

Acq: 02 Mar 2024 14:52

Instrument :

BNA_F

ClientSampleId :

PB159389BS

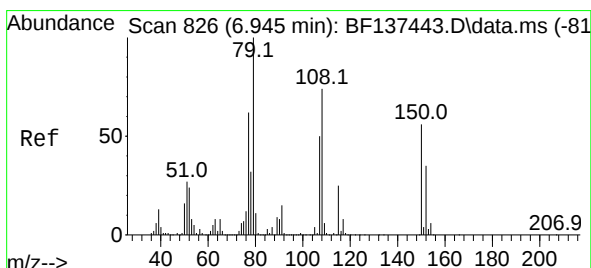
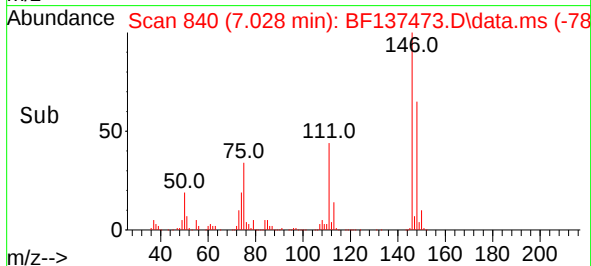
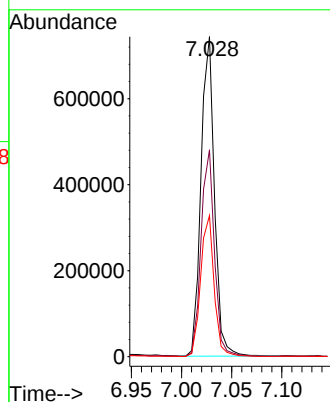
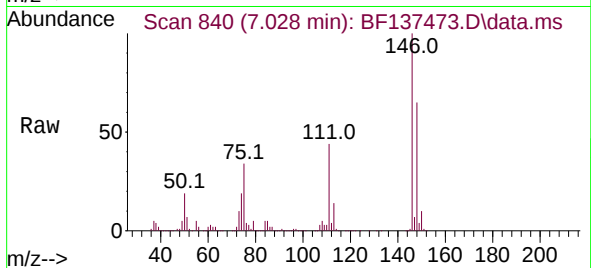
Tgt Ion:146 Resp: 696065

Ion Ratio Lower Upper

146 100

148 64.6 50.0 75.0

111 44.1 36.8 55.2



#15

Benzyl Alcohol

Concen: 48.461 ng

RT: 7.004 min Scan# 836

Delta R.T. 0.000 min

Lab File: BF137473.D

Acq: 02 Mar 2024 14:52

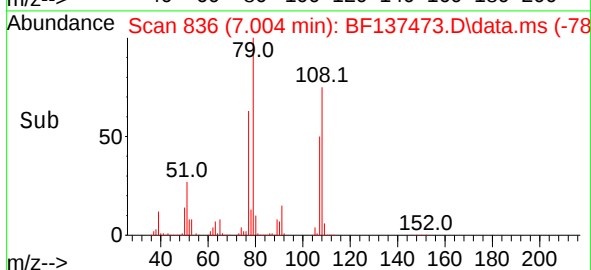
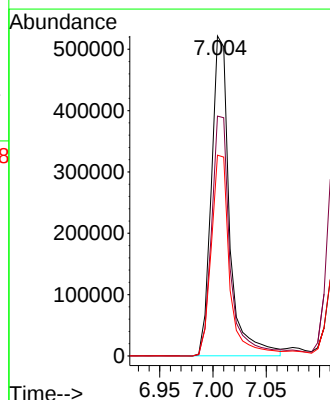
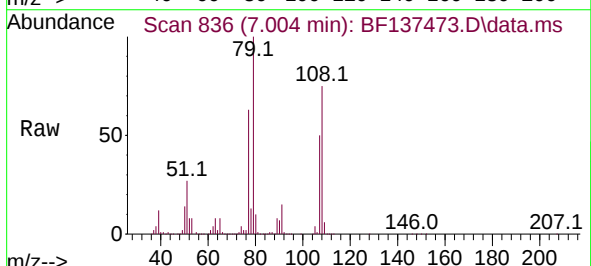
Tgt Ion: 79 Resp: 618092

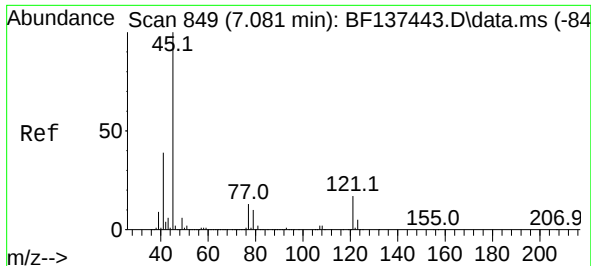
Ion Ratio Lower Upper

79 100

108 75.0 59.5 89.3

77 62.7 50.0 75.0

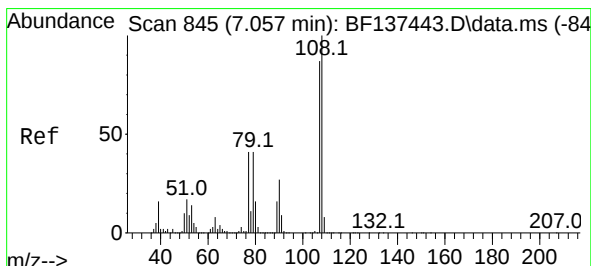
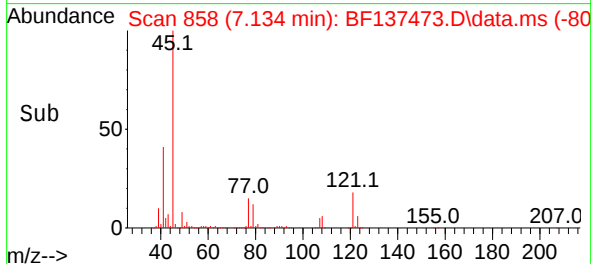
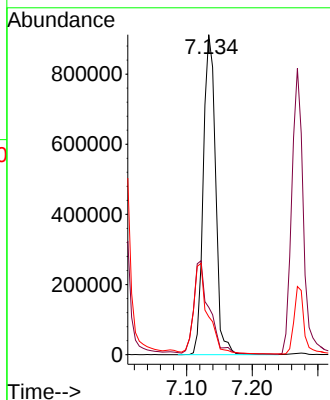
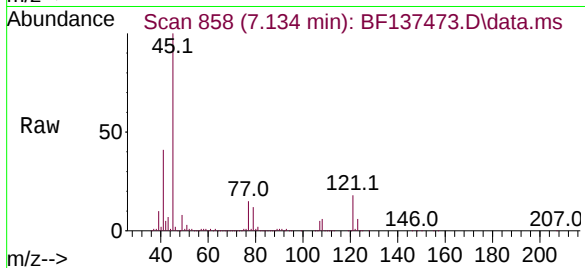




#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.838 ng
RT: 7.134 min Scan# 849
Delta R.T. -0.006 min
Lab File: BF137473.D
Acq: 02 Mar 2024 14:52

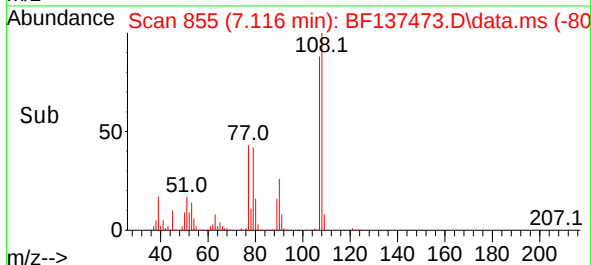
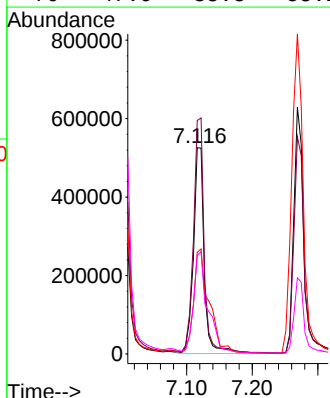
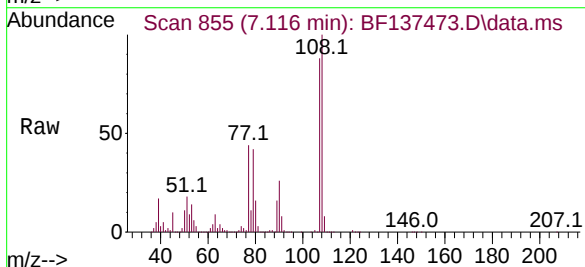
Instrument :
BNA_F
ClientSampleId :
PB159389BS

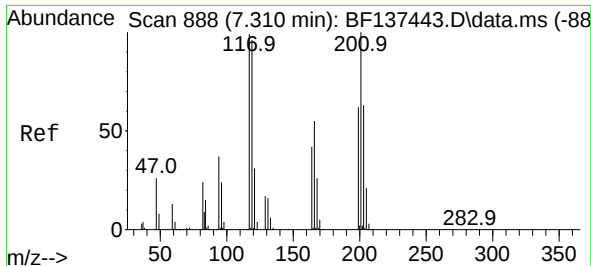
Tgt Ion: 45 Resp: 1189844
Ion Ratio Lower Upper
45 100
77 14.8 0.0 33.4
79 11.8 0.0 30.9



#17
2-Methylphenol
Concen: 42.972 ng
RT: 7.116 min Scan# 855
Delta R.T. 0.000 min
Lab File: BF137473.D
Acq: 02 Mar 2024 14:52

Tgt Ion:107 Resp: 601935
Ion Ratio Lower Upper
107 100
108 113.1 92.2 138.4
77 49.2 38.6 57.8
79 47.9 38.8 58.2

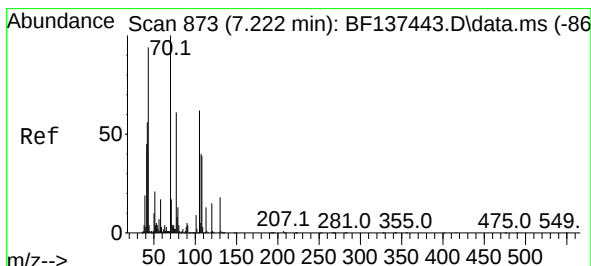
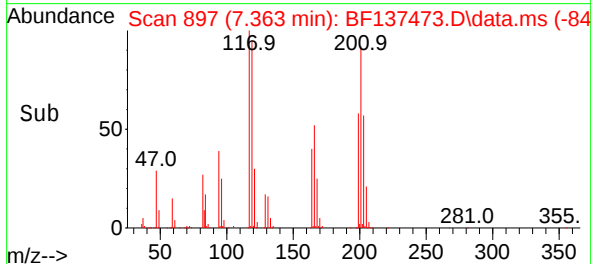
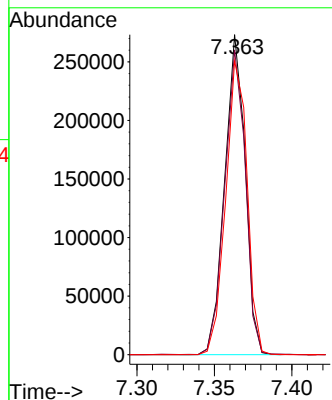
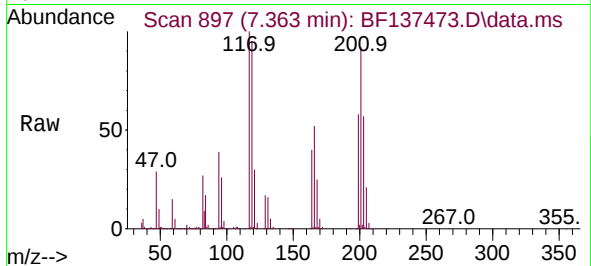




#18
Hexachloroethane
Concen: 46.715 ng
RT: 7.363 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF137473.D
Acq: 02 Mar 2024 14:52

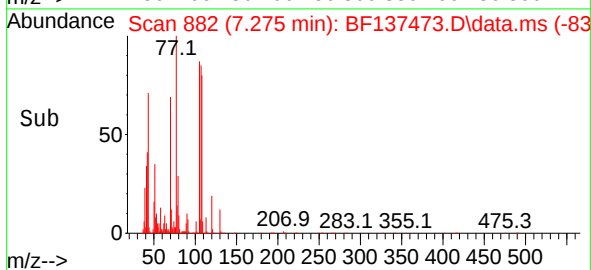
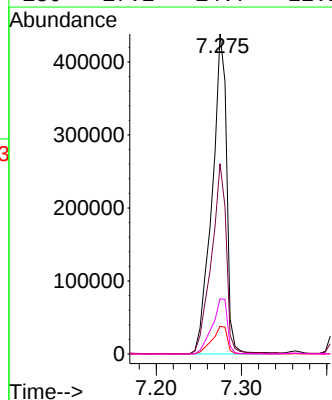
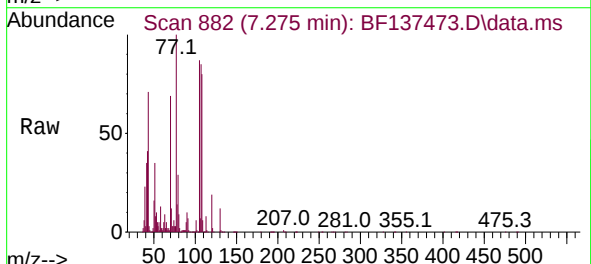
Instrument :
BNA_F
ClientSampleId :
PB159389BS

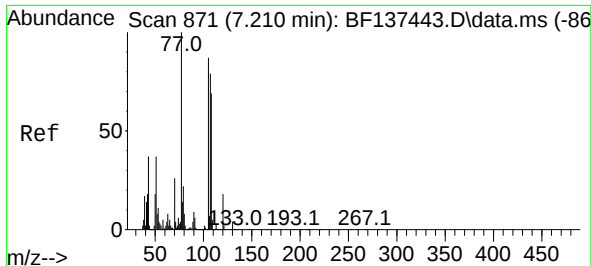
Tgt Ion:117 Resp: 251754
Ion Ratio Lower Upper
117 100
119 95.2 77.5 116.3
201 91.8 80.6 121.0



#19
n-Nitroso-di-n-propylamine
Concen: 41.480 ng
RT: 7.275 min Scan# 882
Delta R.T. -0.006 min
Lab File: BF137473.D
Acq: 02 Mar 2024 14:52

Tgt Ion: 70 Resp: 524760
Ion Ratio Lower Upper
70 100
42 59.5 45.2 67.8
101 8.6 7.3 10.9
130 17.2 14.7 22.1

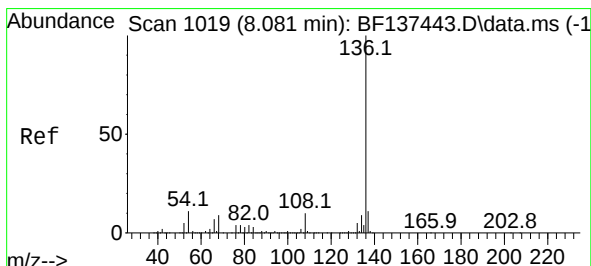
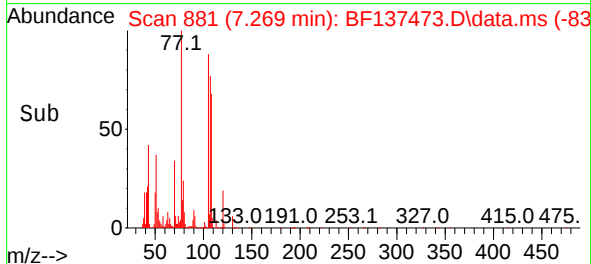
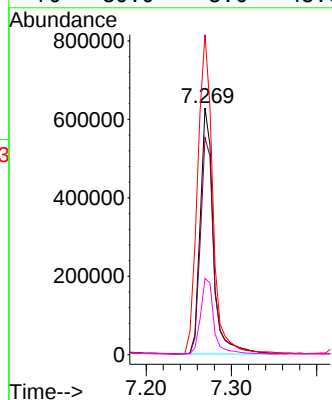
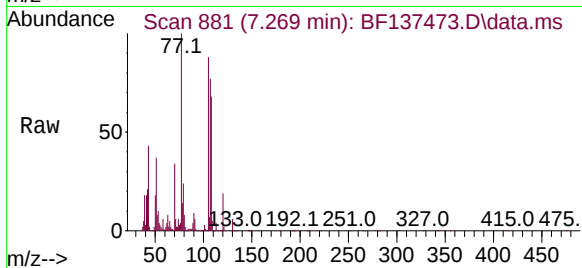




#20
3+4-Methylphenols
Concen: 41.801 ng
RT: 7.269 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF137473.D
Acq: 02 Mar 2024 14:52

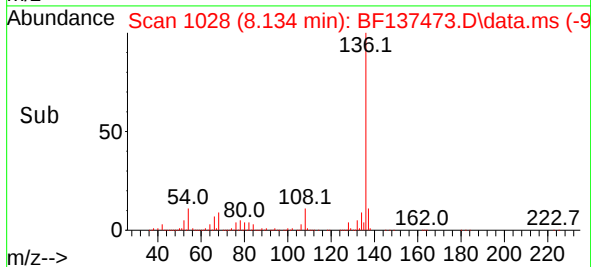
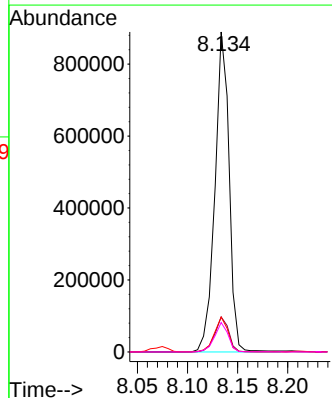
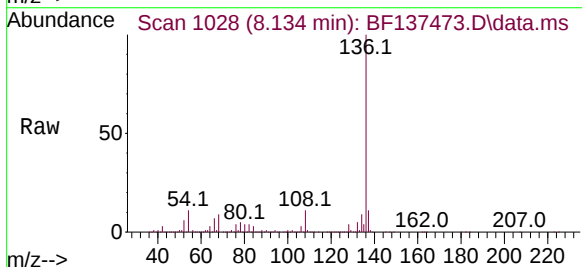
Instrument :
BNA_F
ClientSampleId :
PB159389BS

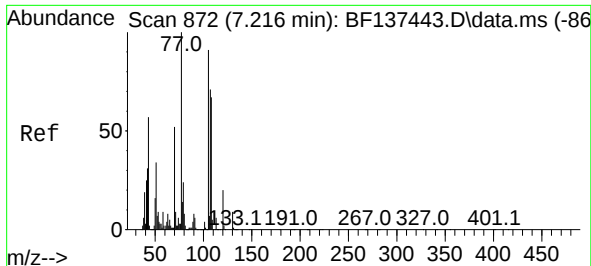
Tgt Ion:107 Resp: 670612
Ion Ratio Lower Upper
107 100
108 88.0 67.6 107.6
77 129.7 107.1 147.1
79 30.9 8.6 48.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1028
Delta R.T. 0.000 min
Lab File: BF137473.D
Acq: 02 Mar 2024 14:52

Tgt Ion:136 Resp: 874513
Ion Ratio Lower Upper
136 100
137 11.0 9.1 13.7
54 10.9 8.5 12.7
68 9.2 7.4 11.2





#22

Acetophenone

Concen: 44.148 ng

RT: 7.269 min Scan# 80

Delta R.T. 0.000 min

Lab File: BF137473.D

Acq: 02 Mar 2024 14:52

Instrument :

BNA_F

ClientSampleId :

PB159389BS

Tgt Ion:105 Resp: 934141

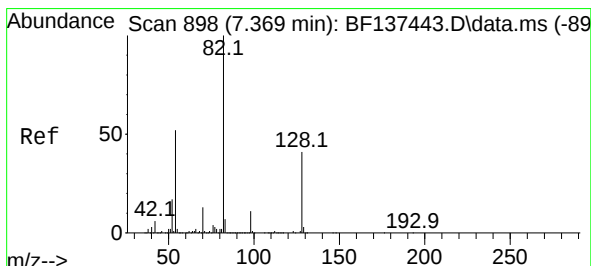
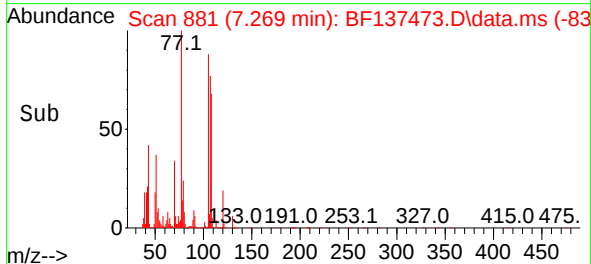
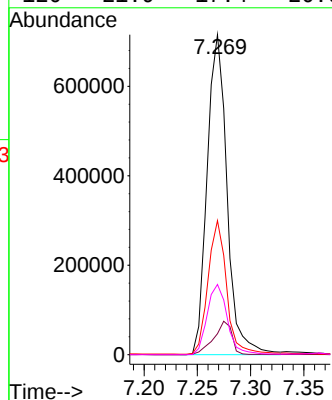
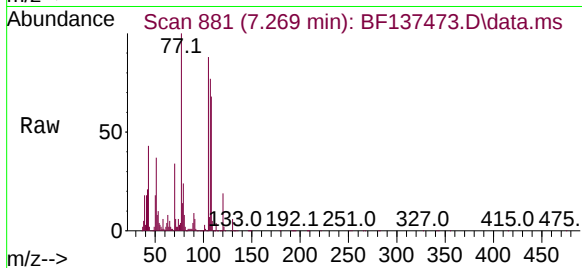
Ion Ratio Lower Upper

105 100

71 6.6 7.7 11.5#

51 41.9 30.4 45.6

120 21.9 17.4 26.0



#23

Nitrobenzene-d5

Concen: 82.820 ng

RT: 7.422 min Scan# 907

Delta R.T. -0.006 min

Lab File: BF137473.D

Acq: 02 Mar 2024 14:52

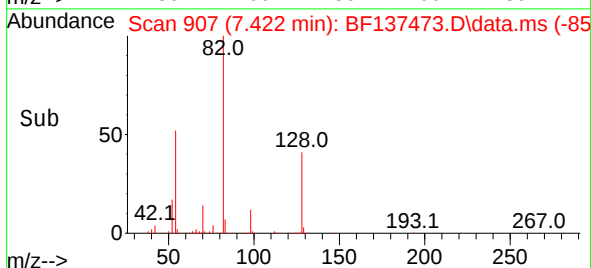
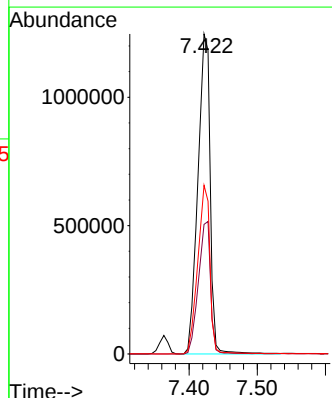
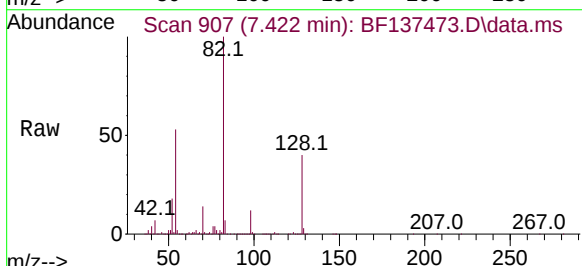
Tgt Ion: 82 Resp: 1558778

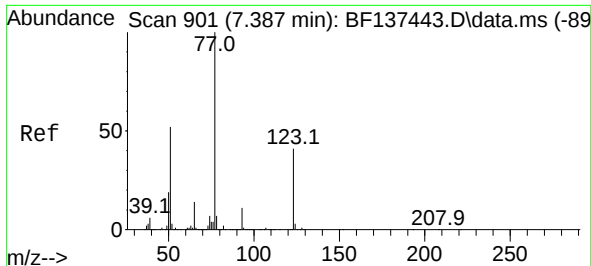
Ion Ratio Lower Upper

82 100

128 40.5 32.5 48.7

54 52.7 41.5 62.3

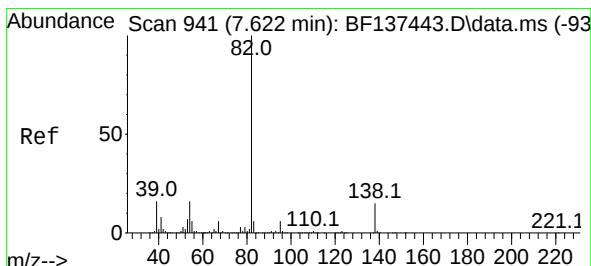
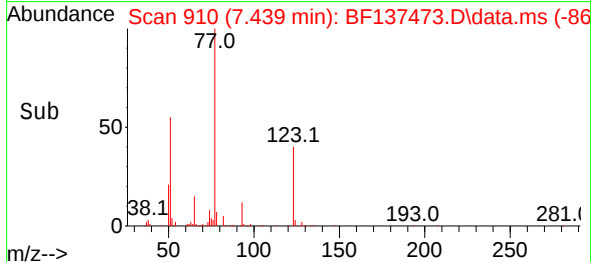
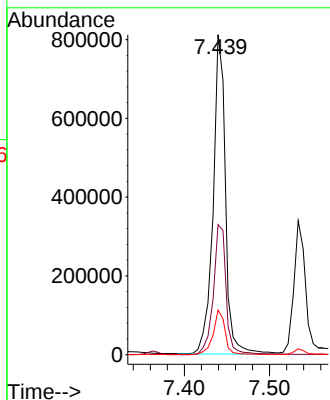
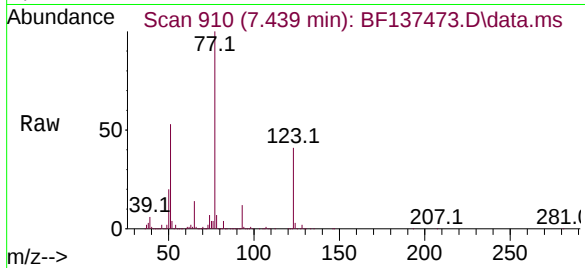




#24
Nitrobenzene
Concen: 43.517 ng
RT: 7.439 min Scan# 911
Delta R.T. -0.006 min
Lab File: BF137473.D
Acq: 02 Mar 2024 14:52

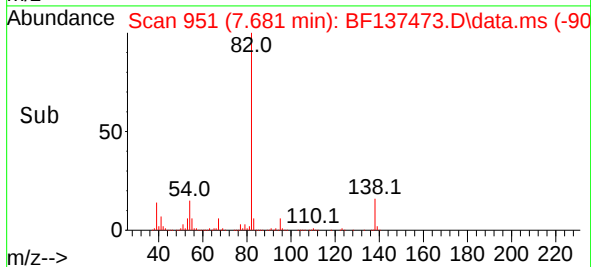
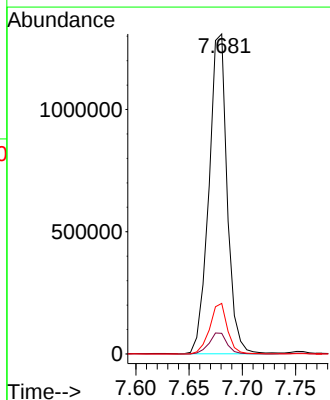
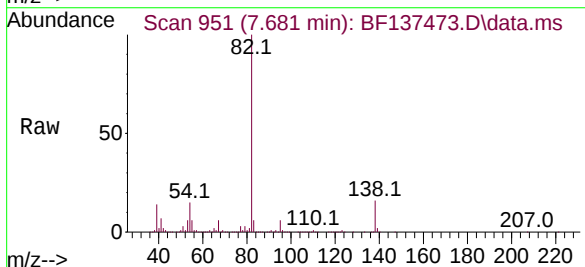
Instrument :
BNA_F
ClientSampleId :
PB159389BS

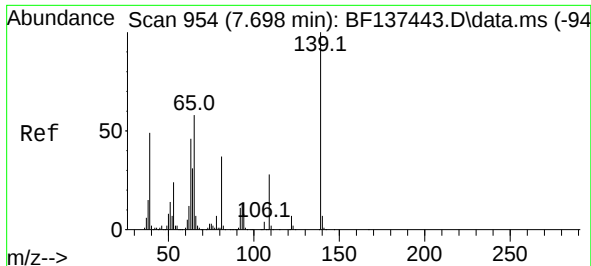
Tgt Ion: 77 Resp: 822765
Ion Ratio Lower Upper
77 100
123 40.6 33.0 49.6
65 13.9 10.9 16.3



#25
Isophorone
Concen: 43.655 ng
RT: 7.681 min Scan# 951
Delta R.T. 0.000 min
Lab File: BF137473.D
Acq: 02 Mar 2024 14:52

Tgt Ion: 82 Resp: 1560995
Ion Ratio Lower Upper
82 100
95 6.4 5.1 7.7
138 15.8 11.8 17.8





#26

2-Nitrophenol

Concen: 47.383 ng

RT: 7.757 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF137473.D

Acq: 02 Mar 2024 14:52

Instrument :

BNA_F

ClientSampleId :

PB159389BS

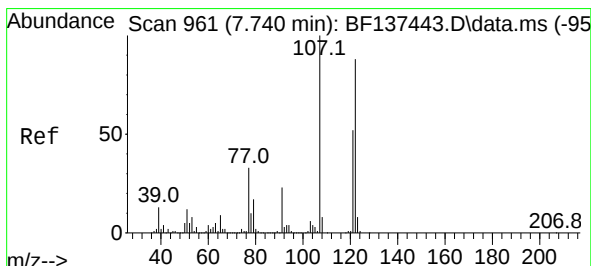
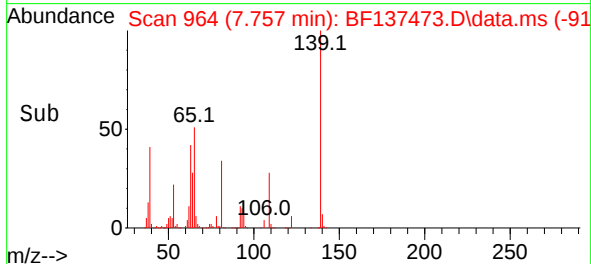
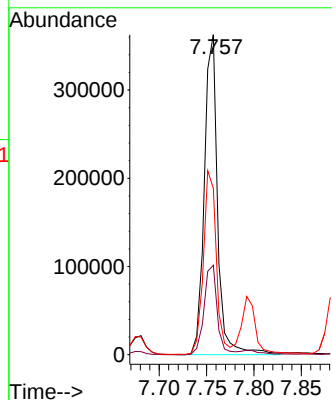
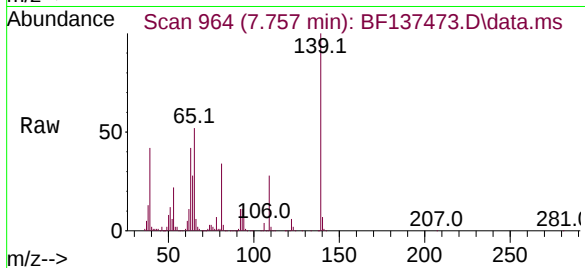
Tgt Ion:139 Resp: 355669

Ion Ratio Lower Upper

139 100

109 28.0 22.2 33.4

65 52.0 46.2 69.2



#27

2,4-Dimethylphenol

Concen: 40.315 ng

RT: 7.792 min Scan# 970

Delta R.T. 0.000 min

Lab File: BF137473.D

Acq: 02 Mar 2024 14:52

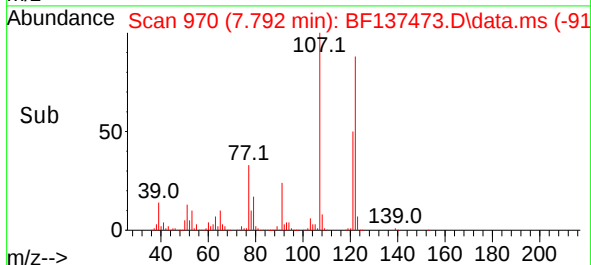
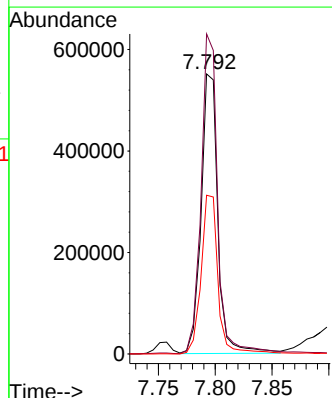
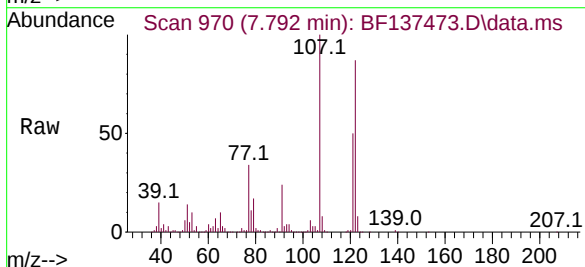
Tgt Ion:122 Resp: 565445

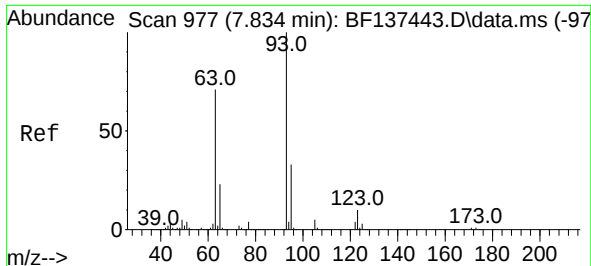
Ion Ratio Lower Upper

122 100

107 114.3 90.9 136.3

121 56.7 47.0 70.6





#28

bis(2-Chloroethoxy)methane

Concen: 43.245 ng

RT: 7.892 min Scan# 90

Delta R.T. 0.000 min

Lab File: BF137473.D

Acq: 02 Mar 2024 14:52

Instrument :

BNA_F

ClientSampleId :

PB159389BS

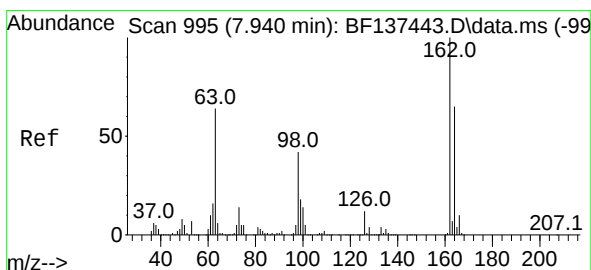
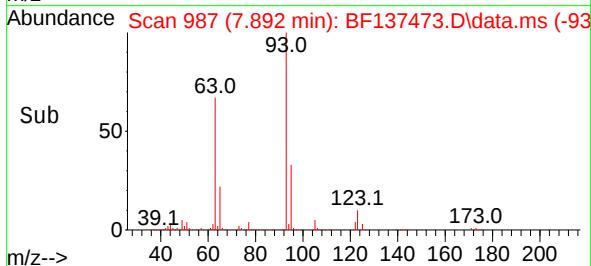
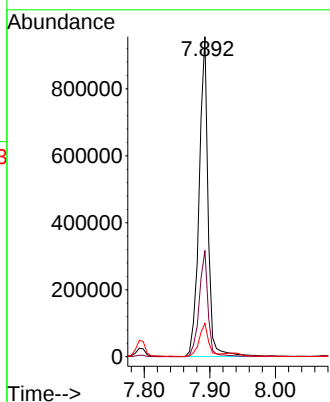
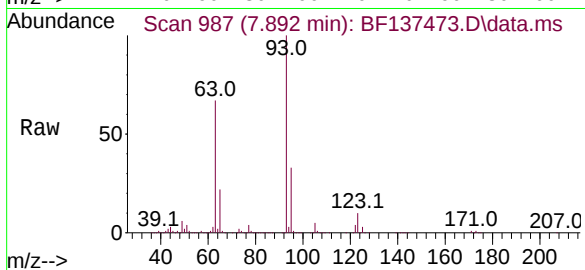
Tgt Ion: 93 Resp: 907272

Ion Ratio Lower Upper

93 100

95 33.2 26.5 39.7

123 10.4 8.0 12.0



#29

2,4-Dichlorophenol

Concen: 45.373 ng

RT: 7.998 min Scan# 1005

Delta R.T. 0.000 min

Lab File: BF137473.D

Acq: 02 Mar 2024 14:52

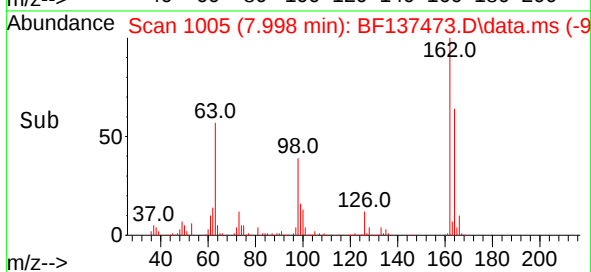
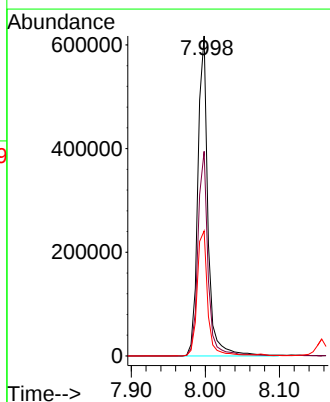
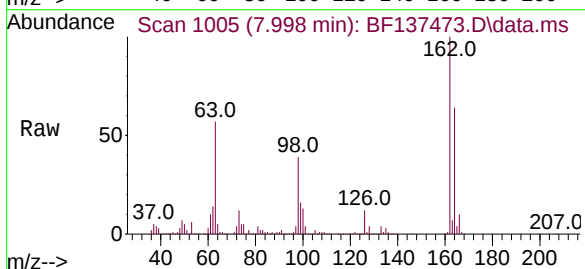
Tgt Ion:162 Resp: 584068

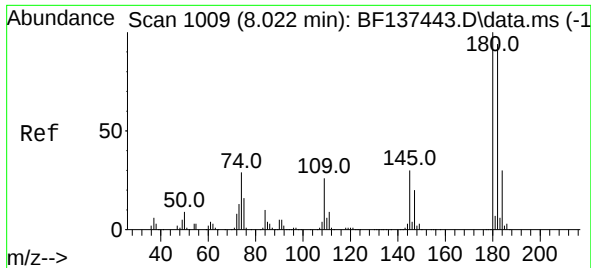
Ion Ratio Lower Upper

162 100

164 64.0 44.7 84.7

98 39.1 22.0 62.0





#30

1,2,4-Trichlorobenzene

Concen: 45.208 ng

RT: 8.075 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF137473.D

Acq: 02 Mar 2024 14:52

Instrument :

BNA_F

ClientSampleId :

PB159389BS

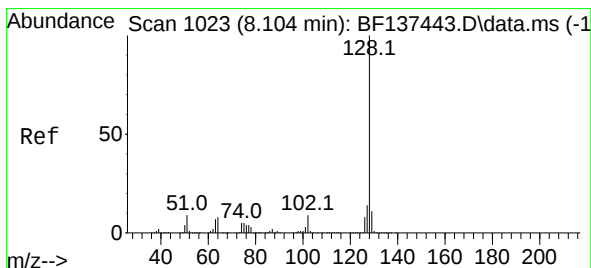
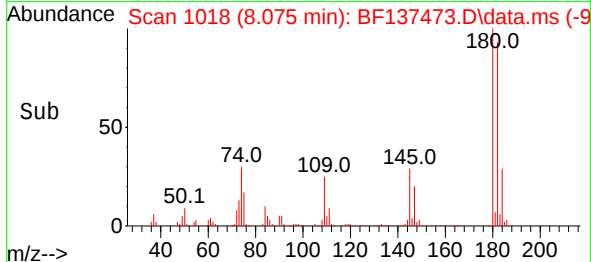
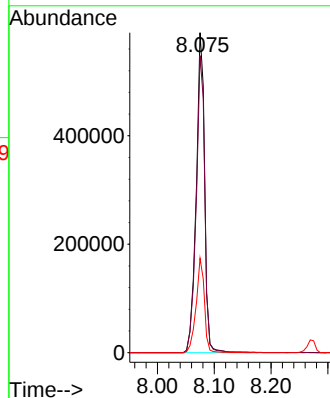
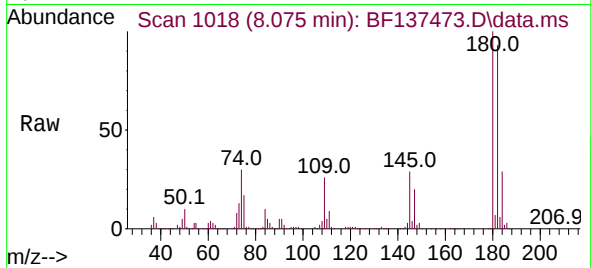
Tgt Ion:180 Resp: 612407

Ion Ratio Lower Upper

180 100

182 92.8 75.0 112.6

145 29.5 23.7 35.5



#31

Naphthalene

Concen: 42.035 ng

RT: 8.157 min Scan# 1032

Delta R.T. 0.000 min

Lab File: BF137473.D

Acq: 02 Mar 2024 14:52

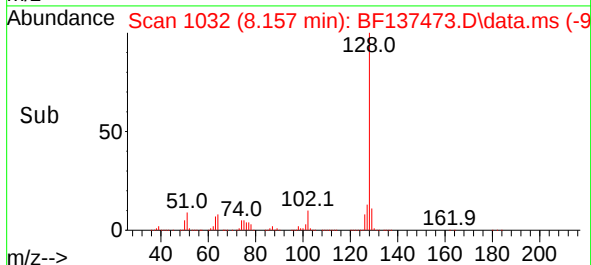
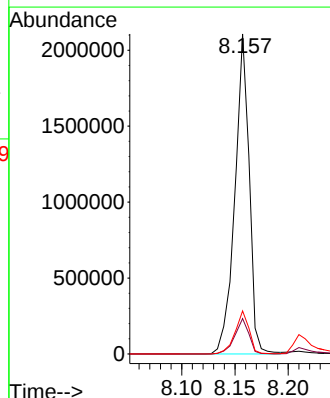
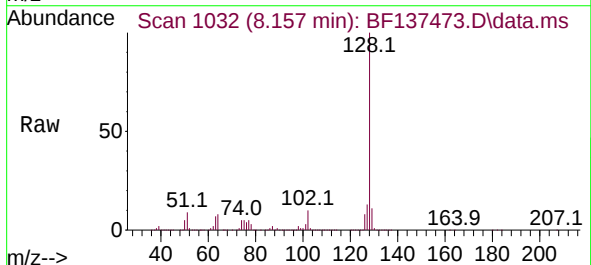
Tgt Ion:128 Resp: 1972301

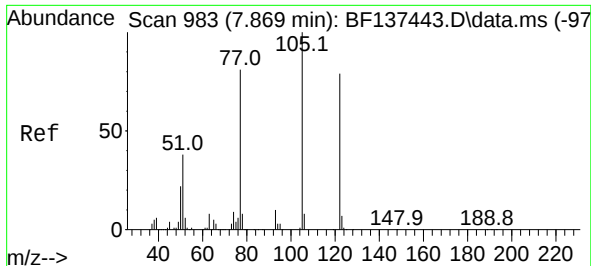
Ion Ratio Lower Upper

128 100

129 11.1 9.2 13.8

127 13.5 10.8 16.2





#32

Benzoic acid

Concen: 45.601 ng

RT: 7.939 min Scan# 91

Delta R.T. 0.012 min

Lab File: BF137473.D

Acq: 02 Mar 2024 14:52

Instrument :

BNA_F

ClientSampleId :

PB159389BS

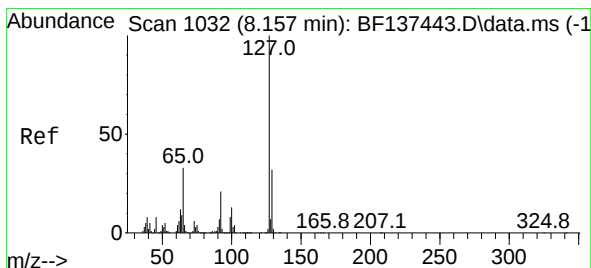
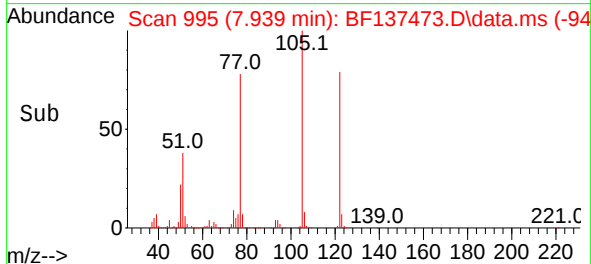
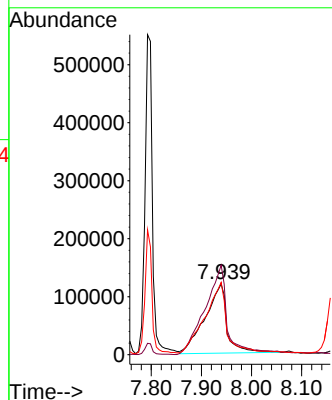
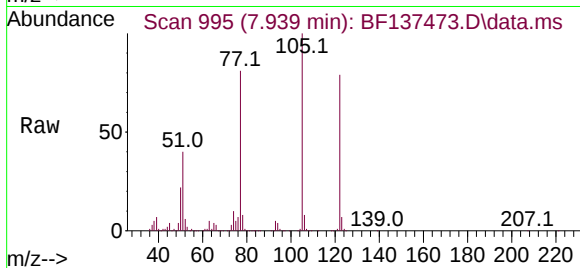
Tgt Ion:122 Resp: 365400

Ion Ratio Lower Upper

122 100

105 126.6 102.4 142.4

77 102.3 81.1 121.1



#33

4-Chloroaniline

Concen: 10.088 ng

RT: 8.210 min Scan# 1041

Delta R.T. 0.000 min

Lab File: BF137473.D

Acq: 02 Mar 2024 14:52

Tgt Ion:127 Resp: 185605

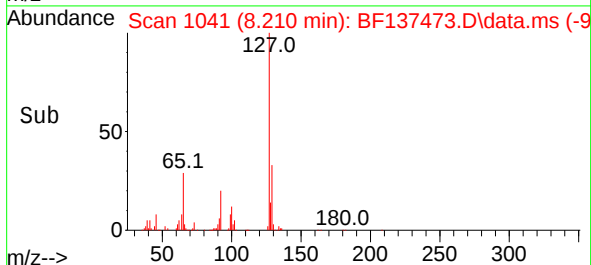
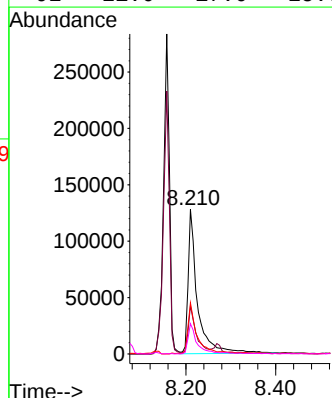
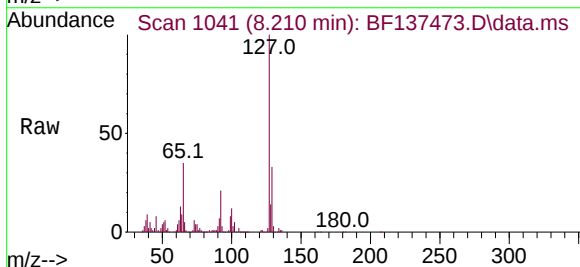
Ion Ratio Lower Upper

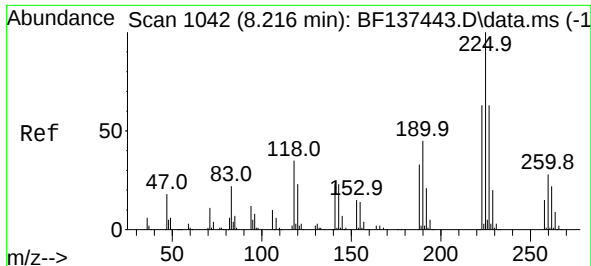
127 100

129 33.3 26.0 39.0

65 35.4 26.8 40.2

92 21.0 17.0 25.6





#34

Hexachlorobutadiene

Concen: 43.970 ng

RT: 8.275 min Scan# 1105

Delta R.T. 0.000 min

Lab File: BF137473.D

Acq: 02 Mar 2024 14:52

Instrument :

BNA_F

ClientSampleId :

PB159389BS

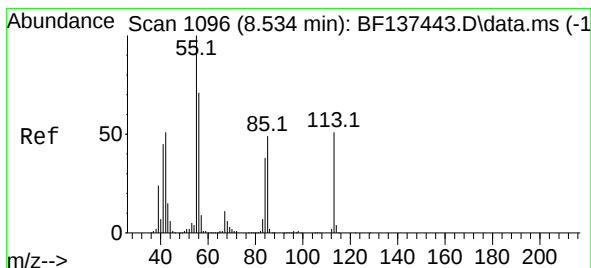
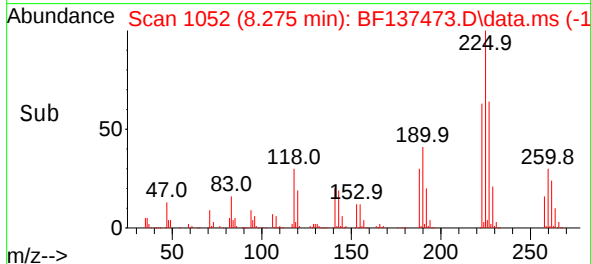
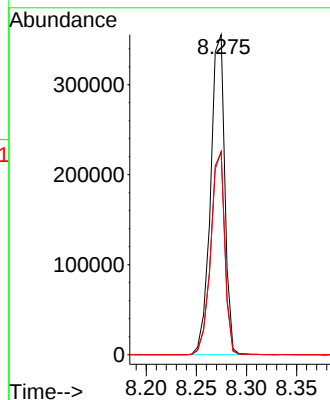
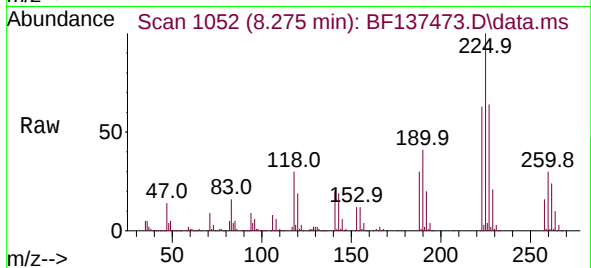
Tgt Ion:225 Resp: 351644

Ion Ratio Lower Upper

225 100

223 63.3 50.7 76.1

227 63.5 50.6 75.8



#35

Caprolactam

Concen: 26.787 ng

RT: 8.586 min Scan# 1105

Delta R.T. -0.006 min

Lab File: BF137473.D

Acq: 02 Mar 2024 14:52

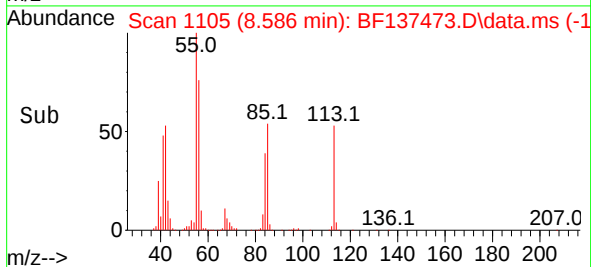
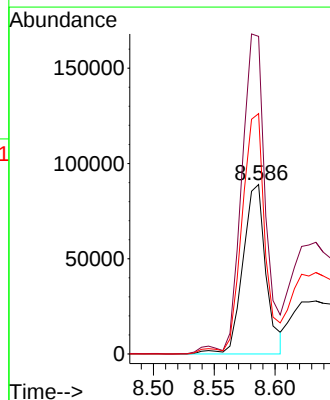
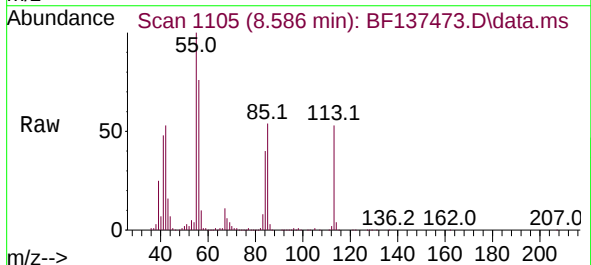
Tgt Ion:113 Resp: 116922

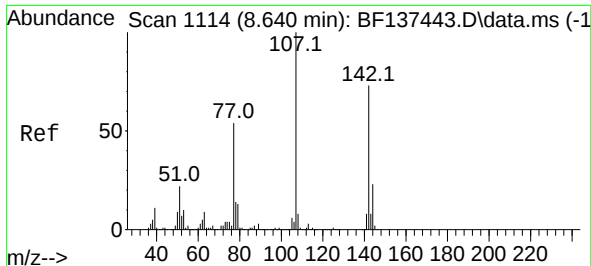
Ion Ratio Lower Upper

113 100

55 187.3 176.7 216.7

56 141.8 120.6 160.6





#36

4-Chloro-3-methylphenol

Concen: 45.743 ng

RT: 8.698 min Scan# 1114

Delta R.T. 0.006 min

Lab File: BF137473.D

Acq: 02 Mar 2024 14:52

Instrument :

BNA_F

ClientSampleId :

PB159389BS

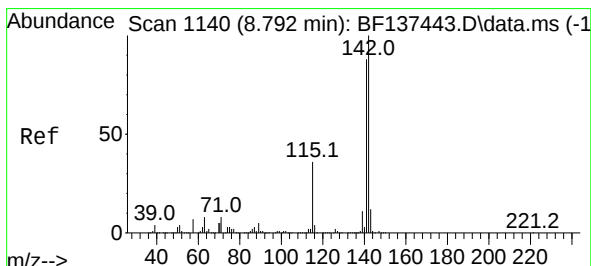
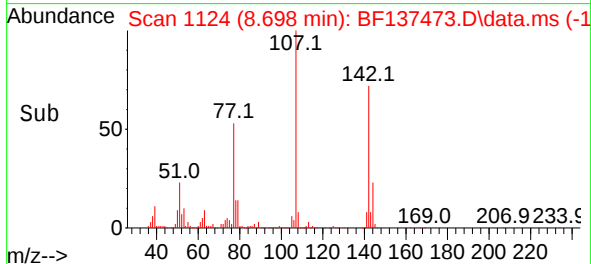
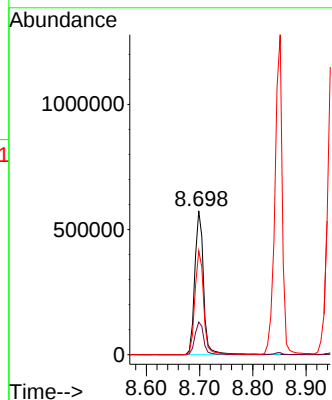
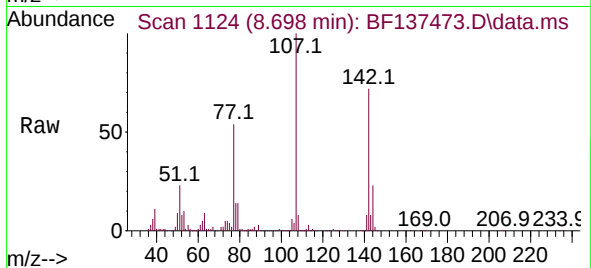
Tgt Ion:107 Resp: 658189

Ion Ratio Lower Upper

107 100

144 22.7 18.7 28.1

142 72.2 58.2 87.2



#37

2-Methylnaphthalene

Concen: 40.553 ng

RT: 8.851 min Scan# 1150

Delta R.T. 0.000 min

Lab File: BF137473.D

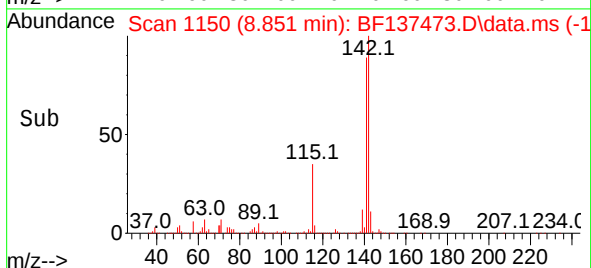
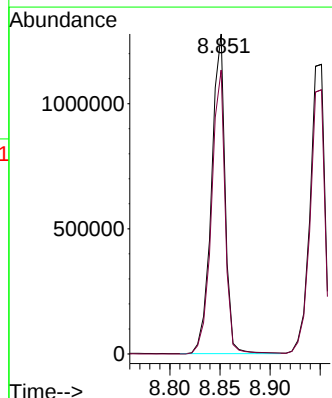
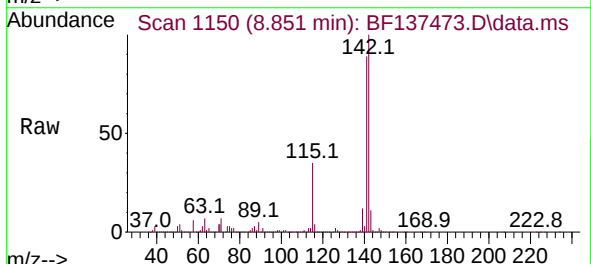
Acq: 02 Mar 2024 14:52

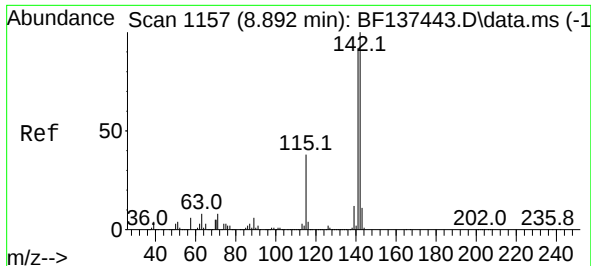
Tgt Ion:142 Resp: 1213010

Ion Ratio Lower Upper

142 100

141 88.7 70.4 105.6





#38

1-Methylnaphthalene

Concen: 41.898 ng

RT: 8.951 min Scan# 1167

Delta R.T. 0.006 min

Lab File: BF137473.D

Acq: 02 Mar 2024 14:52

Instrument :

BNA_F

ClientSampleId :

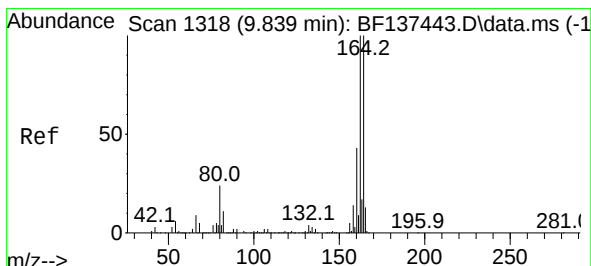
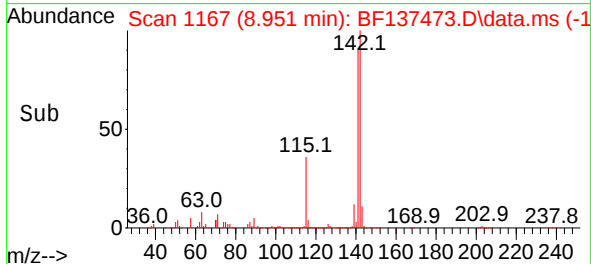
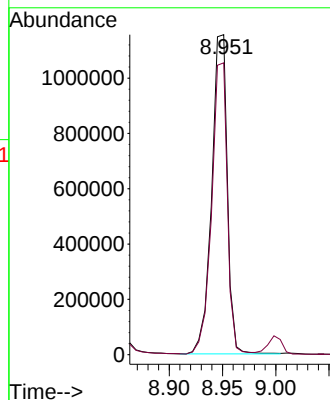
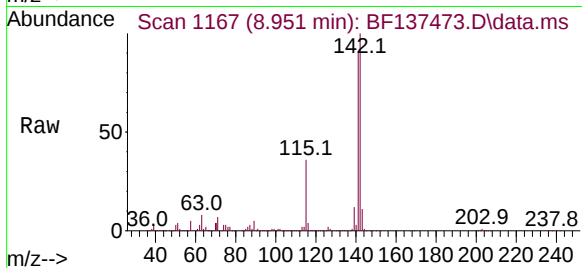
PB159389BS

Tgt Ion:142 Resp: 1180212

Ion Ratio Lower Upper

142 100

141 91.2 73.4 110.2



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.892 min Scan# 1327

Delta R.T. 0.000 min

Lab File: BF137473.D

Acq: 02 Mar 2024 14:52

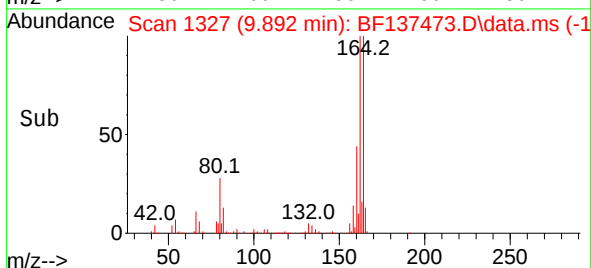
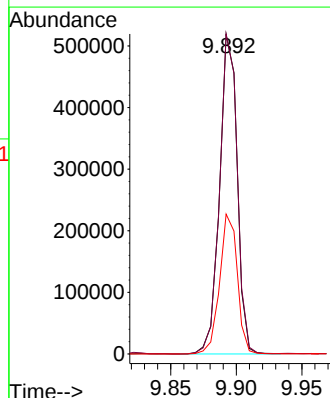
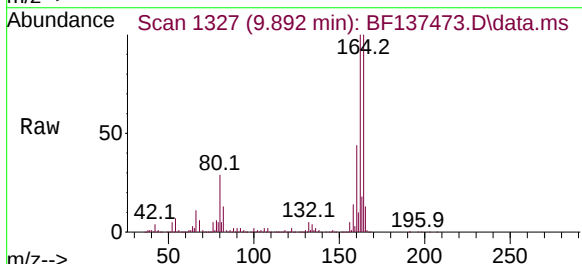
Tgt Ion:164 Resp: 483370

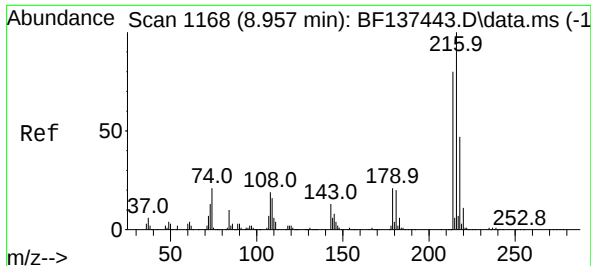
Ion Ratio Lower Upper

164 100

162 100.1 79.8 119.8

160 43.8 34.4 51.6





#40

1,2,4,5-Tetrachlorobenzene

Concen: 45.093 ng

RT: 9.016 min Scan# 1178

Delta R.T. 0.000 min

Lab File: BF137473.D

Acq: 02 Mar 2024 14:52

Instrument :

BNA_F

ClientSampleId :

PB159389BS

Tgt Ion:216 Resp: 608512

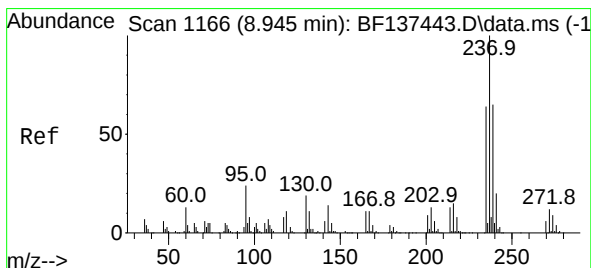
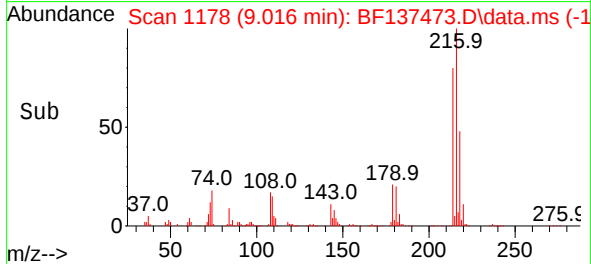
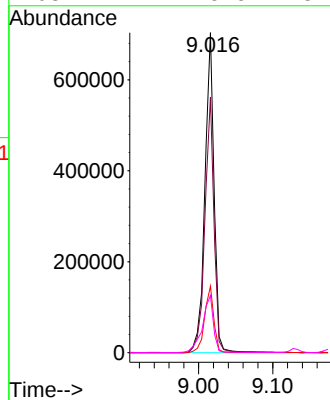
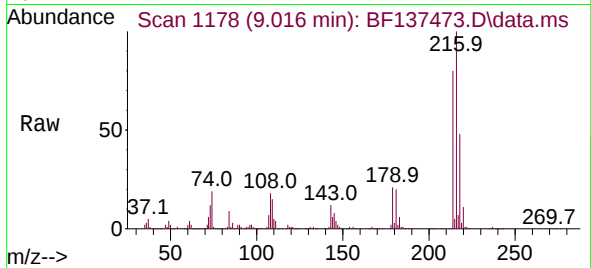
Ion Ratio Lower Upper

216 100

214 79.5 63.5 95.3

179 20.9 16.6 25.0

108 21.1 15.5 23.3



#41

Hexachlorocyclopentadiene

Concen: 94.701 ng

RT: 9.004 min Scan# 1176

Delta R.T. 0.006 min

Lab File: BF137473.D

Acq: 02 Mar 2024 14:52

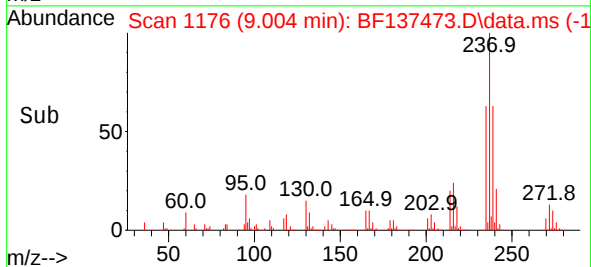
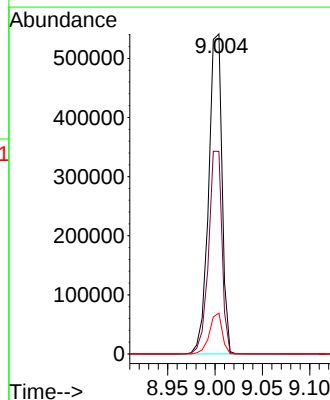
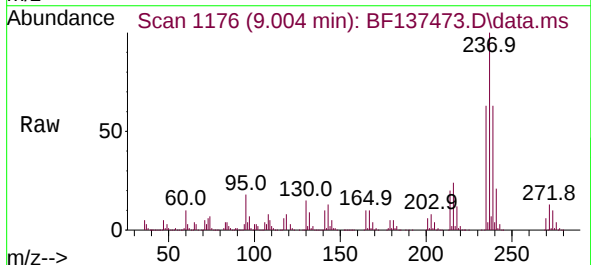
Tgt Ion:237 Resp: 530817

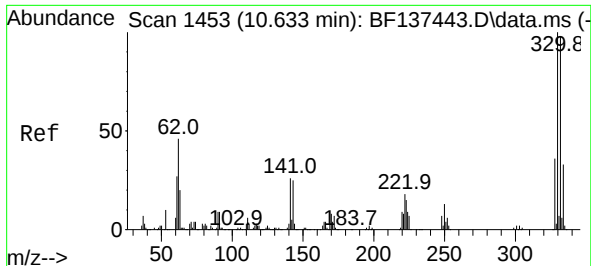
Ion Ratio Lower Upper

237 100

235 63.3 43.6 83.6

272 12.8 0.0 31.9





#42

2,4,6-Tribromophenol

Concen: 139.124 ng

RT: 10.692 min Scan# 1463

Delta R.T. 0.000 min

Lab File: BF137473.D

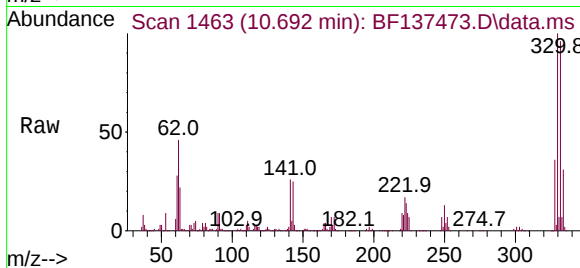
Acq: 02 Mar 2024 14:52

Instrument :

BNA_F

ClientSampleId :

PB159389BS



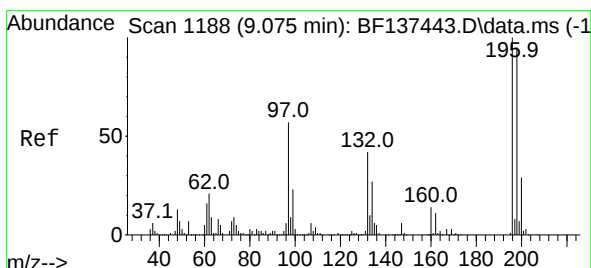
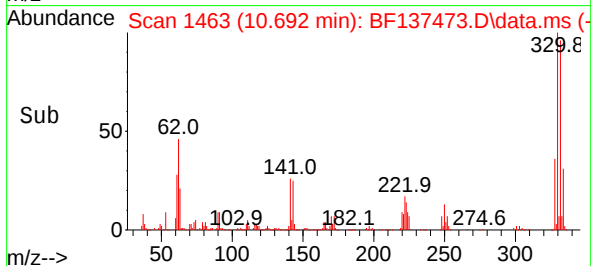
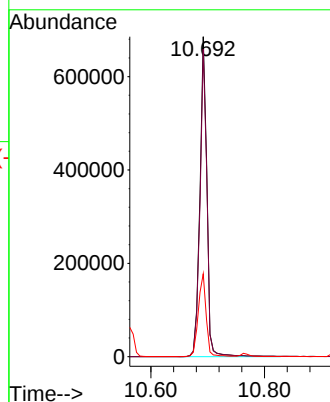
Tgt Ion:330 Resp: 590558

Ion Ratio Lower Upper

330 100

332 95.8 78.0 117.0

141 29.1 27.3 40.9



#43

2,4,6-Trichlorophenol

Concen: 45.748 ng

RT: 9.133 min Scan# 1198

Delta R.T. 0.006 min

Lab File: BF137473.D

Acq: 02 Mar 2024 14:52

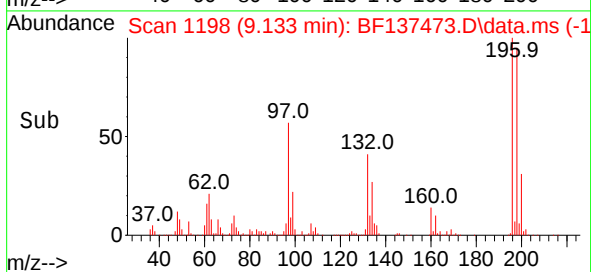
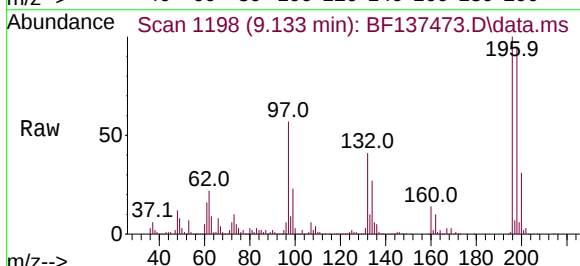
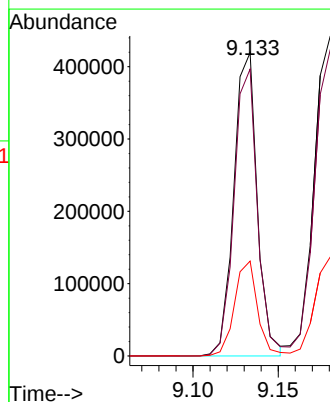
Tgt Ion:196 Resp: 402023

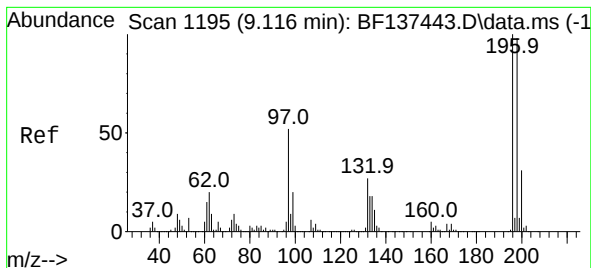
Ion Ratio Lower Upper

196 100

198 94.6 75.8 113.8

200 31.3 23.5 35.3





#44

2,4,5-Trichlorophenol

Concen: 42.590 ng

RT: 9.181 min Scan# 1195

Delta R.T. 0.012 min

Lab File: BF137473.D

Acq: 02 Mar 2024 14:52

Instrument :

BNA_F

ClientSampleId :

PB159389BS

Tgt Ion:196 Resp: 431136

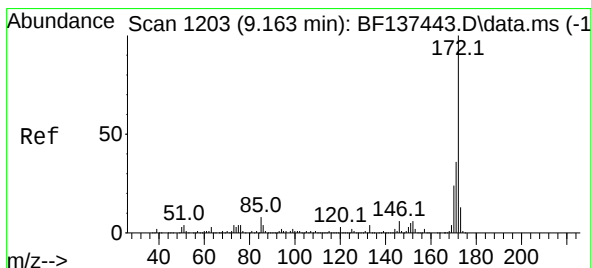
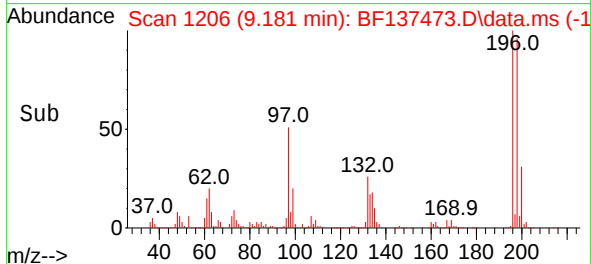
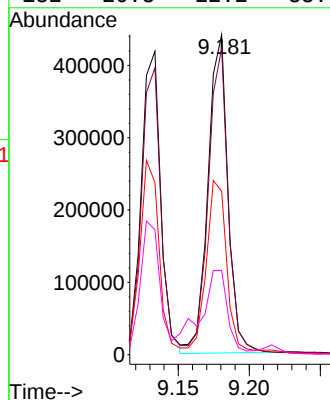
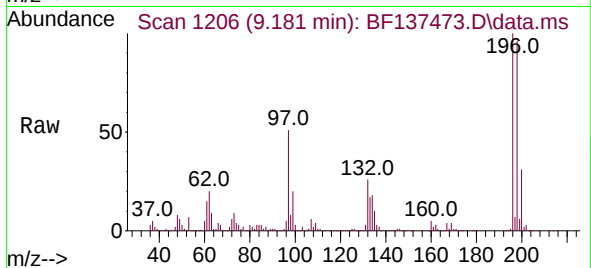
Ion Ratio Lower Upper

196 100

198 95.8 78.6 117.8

97 51.1 41.8 62.8

132 26.3 22.2 33.4



#45

2-Fluorobiphenyl

Concen: 79.965 ng

RT: 9.216 min Scan# 1212

Delta R.T. 0.000 min

Lab File: BF137473.D

Acq: 02 Mar 2024 14:52

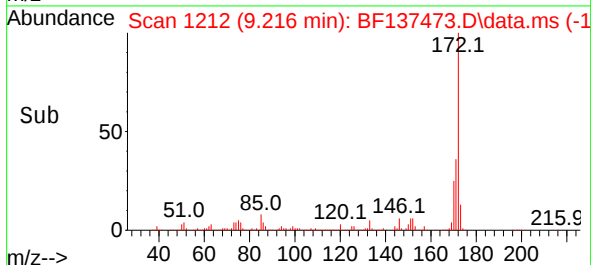
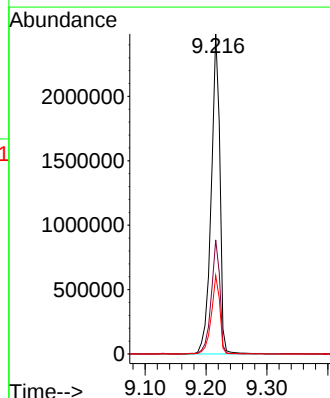
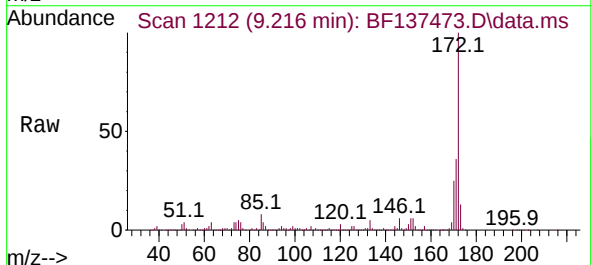
Tgt Ion:172 Resp: 2469237

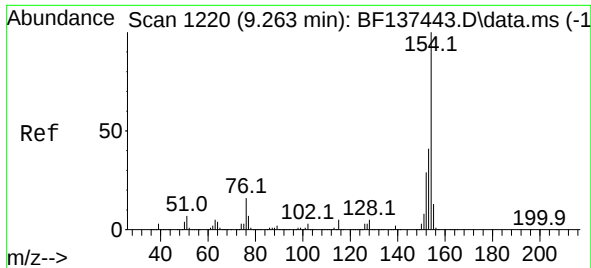
Ion Ratio Lower Upper

172 100

171 35.7 28.5 42.7

170 24.5 19.0 28.6





#46

1,1'-Biphenyl

Concen: 43.955 ng

RT: 9.316 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF137473.D

Acq: 02 Mar 2024 14:52

Instrument :

BNA_F

ClientSampleId :

PB159389BS

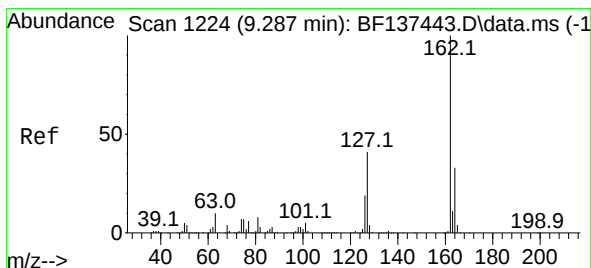
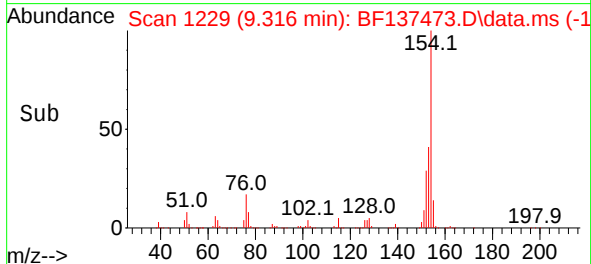
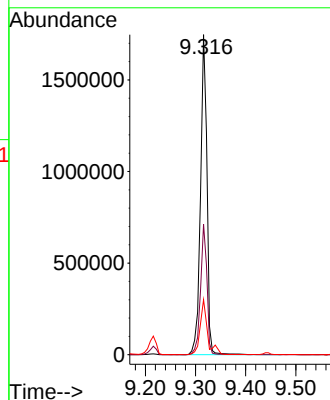
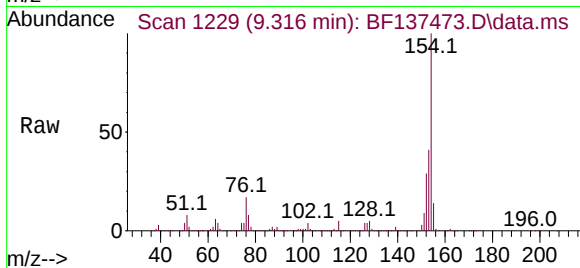
Tgt Ion:154 Resp: 1555067

Ion Ratio Lower Upper

154 100

153 40.8 21.0 61.0

76 17.2 0.0 35.8



#47

2-Chloronaphthalene

Concen: 44.978 ng

RT: 9.339 min Scan# 1233

Delta R.T. 0.000 min

Lab File: BF137473.D

Acq: 02 Mar 2024 14:52

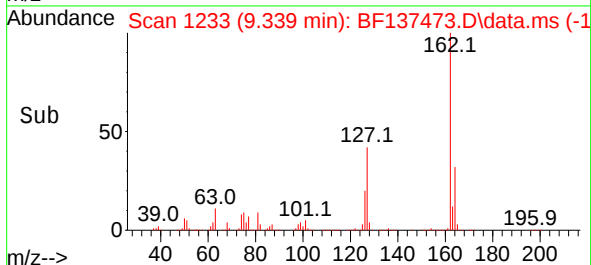
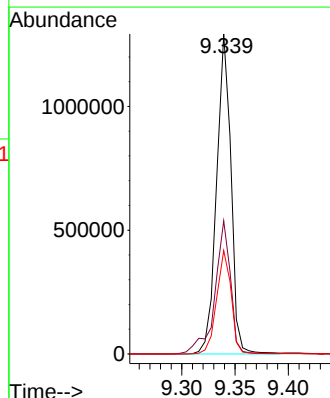
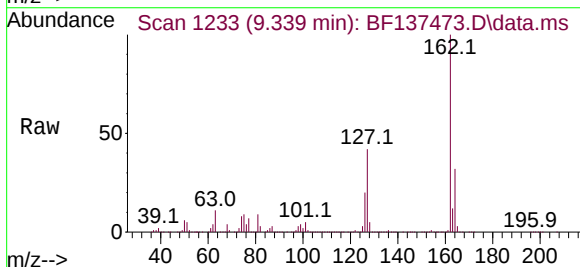
Tgt Ion:162 Resp: 1213187

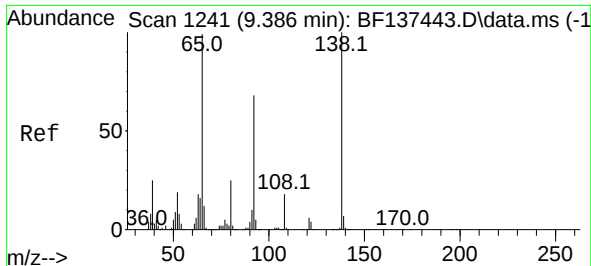
Ion Ratio Lower Upper

162 100

127 41.6 32.6 49.0

164 32.3 26.5 39.7





#48

2-Nitroaniline

Concen: 47.690 ng

RT: 9.445 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF137473.D

Acq: 02 Mar 2024 14:52

Instrument :

BNA_F

ClientSampleId :

PB159389BS

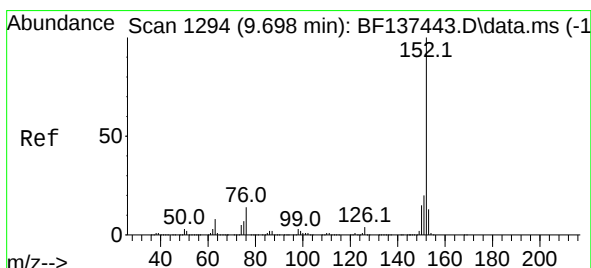
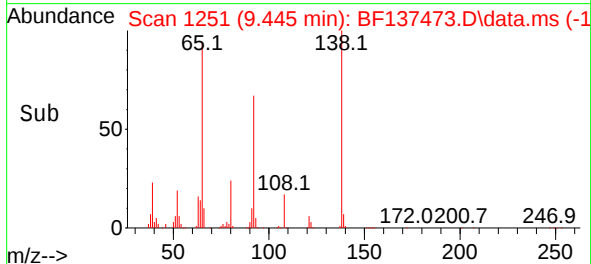
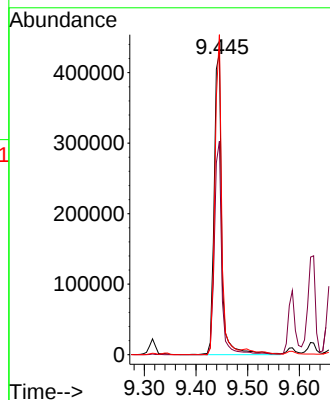
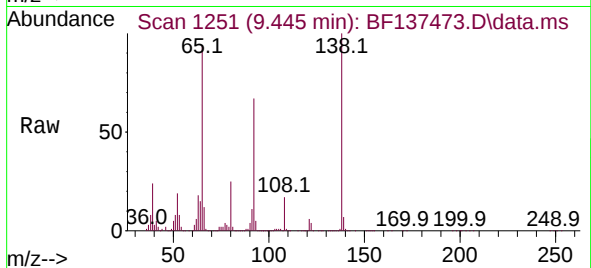
Tgt Ion: 65 Resp: 437221

Ion Ratio Lower Upper

65 100

92 70.7 55.4 83.2

138 105.9 81.0 121.6



#49

Acenaphthylene

Concen: 44.914 ng

RT: 9.757 min Scan# 1304

Delta R.T. 0.000 min

Lab File: BF137473.D

Acq: 02 Mar 2024 14:52

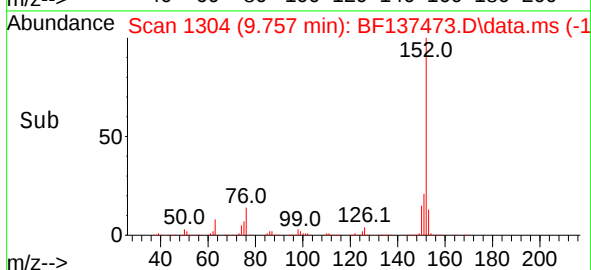
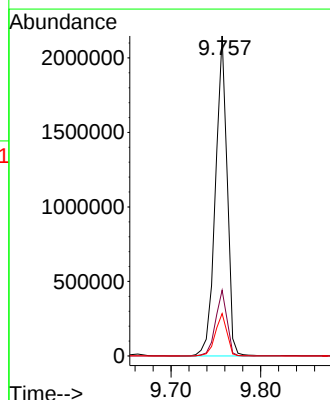
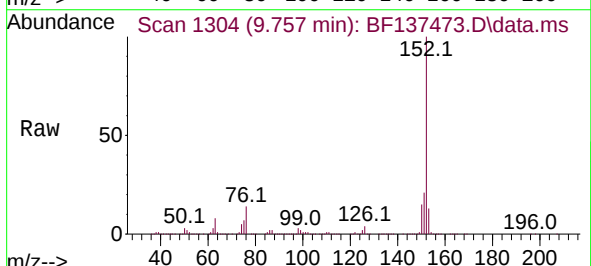
Tgt Ion: 152 Resp: 1938763

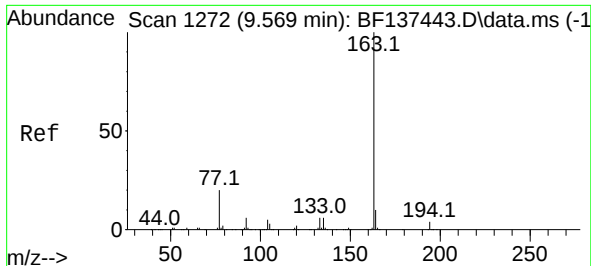
Ion Ratio Lower Upper

152 100

151 20.5 16.2 24.4

153 13.2 10.8 16.2





#50

Dimethylphthalate

Concen: 43.404 ng

RT: 9.628 min Scan# 1282

Delta R.T. 0.000 min

Lab File: BF137473.D

Acq: 02 Mar 2024 14:52

Instrument :

BNA_F

ClientSampleId :

PB159389BS

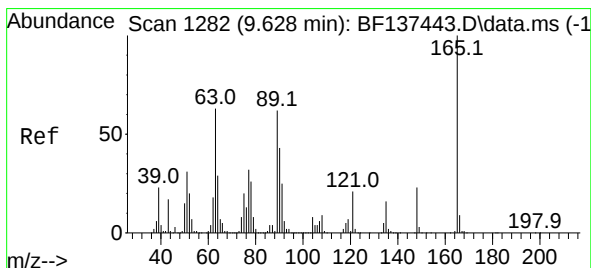
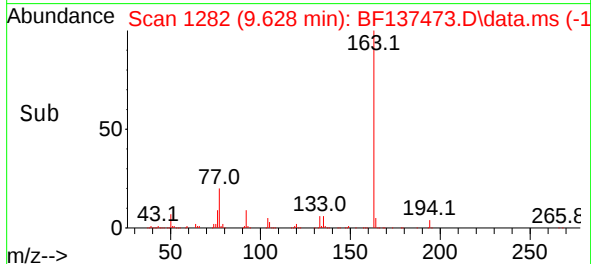
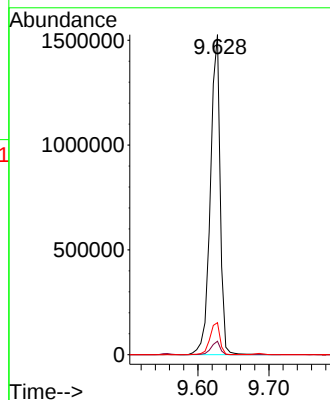
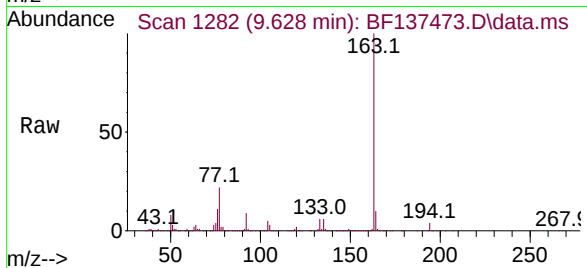
Tgt Ion:163 Resp: 1460460

Ion Ratio Lower Upper

163 100

194 4.2 3.3 4.9

164 10.0 8.1 12.1



#51

2,6-Dinitrotoluene

Concen: 46.593 ng

RT: 9.686 min Scan# 1292

Delta R.T. 0.000 min

Lab File: BF137473.D

Acq: 02 Mar 2024 14:52

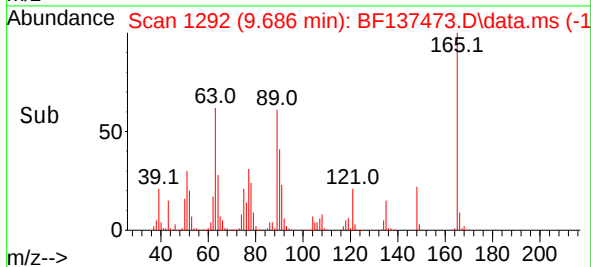
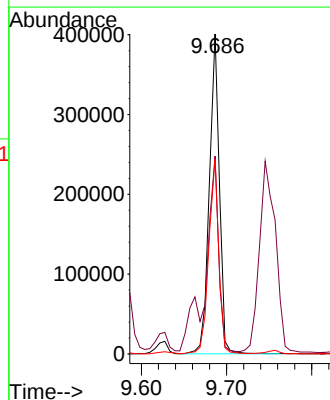
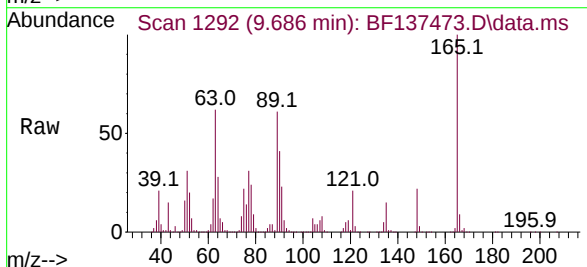
Tgt Ion:165 Resp: 327915

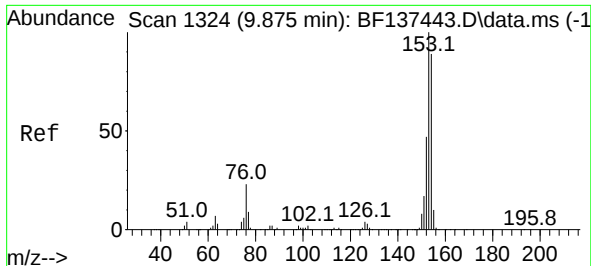
Ion Ratio Lower Upper

165 100

63 61.8 50.7 76.1

89 61.0 50.0 75.0





#52

Acenaphthene

Concen: 42.206 ng

RT: 9.928 min Scan# 1333

Delta R.T. 0.000 min

Lab File: BF137473.D

Acq: 02 Mar 2024 14:52

Instrument :

BNA_F

ClientSampleId :

PB159389BS

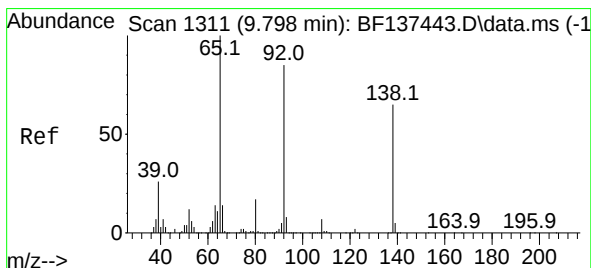
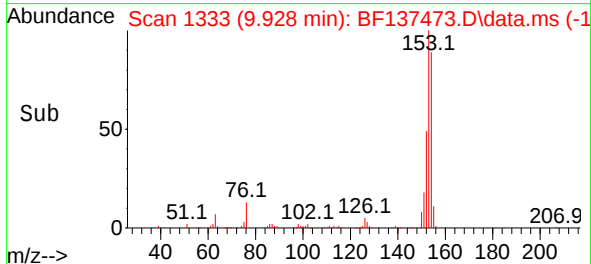
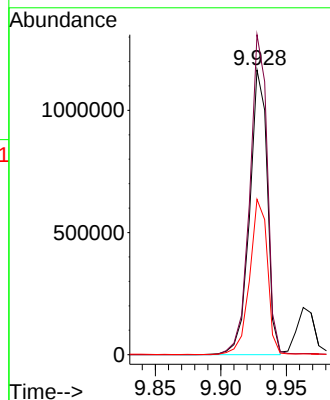
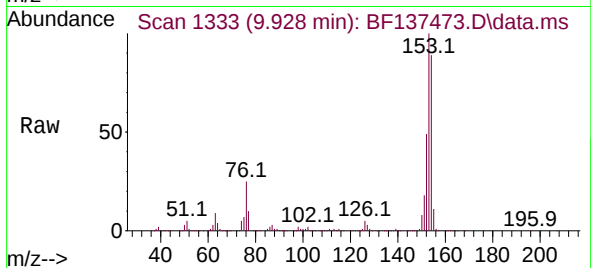
Tgt Ion:154 Resp: 1087659

Ion Ratio Lower Upper

154 100

153 112.3 90.3 135.5

152 54.5 42.7 64.1



#53

3-Nitroaniline

Concen: 24.485 ng

RT: 9.857 min Scan# 1321

Delta R.T. 0.000 min

Lab File: BF137473.D

Acq: 02 Mar 2024 14:52

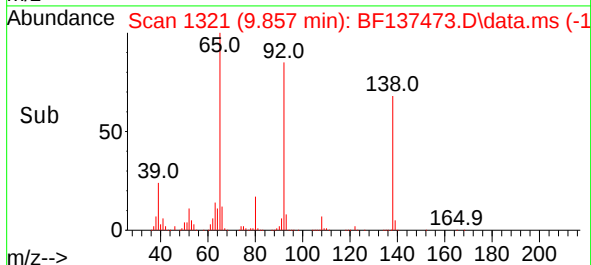
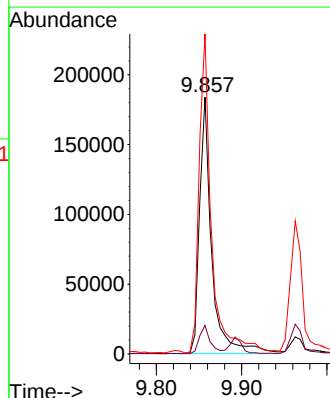
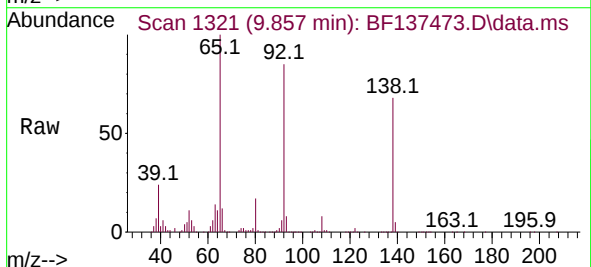
Tgt Ion:138 Resp: 182269

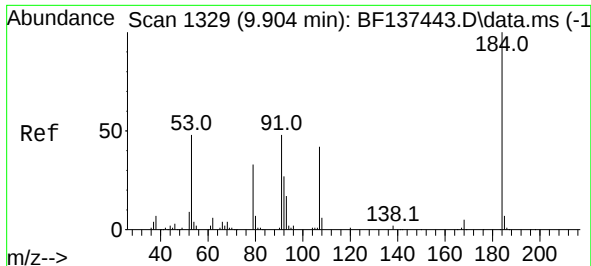
Ion Ratio Lower Upper

138 100

108 11.1 9.1 13.7

92 124.6 104.6 157.0





#54

2,4-Dinitrophenol

Concen: 95.829 ng

RT: 9.963 min Scan# 1329

Delta R.T. 0.000 min

Lab File: BF137473.D

Acq: 02 Mar 2024 14:52

Instrument :

BNA_F

ClientSampleId :

PB159389BS

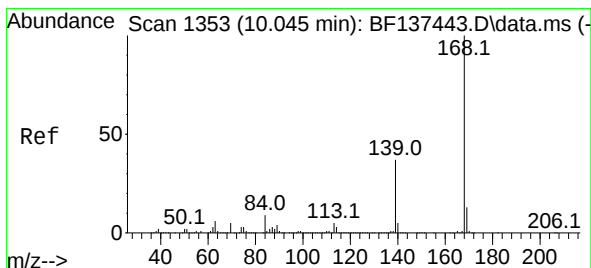
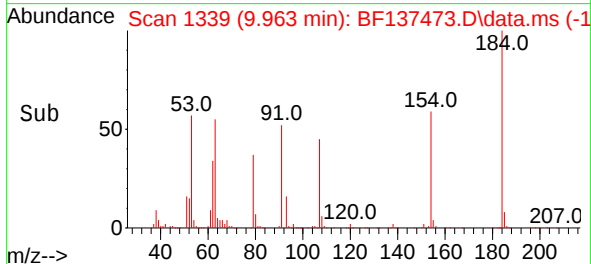
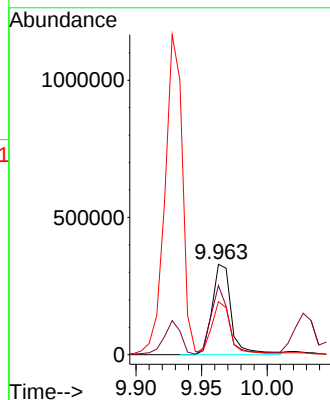
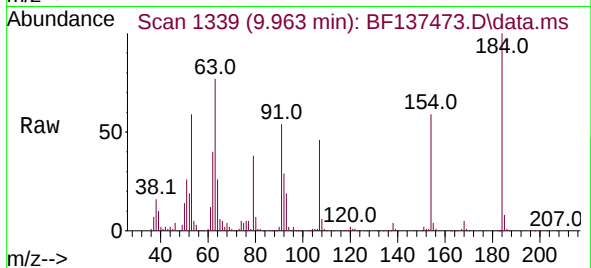
Tgt Ion:184 Resp: 335180

Ion Ratio Lower Upper

184 100

63 76.6 53.3 79.9

154 58.7 47.4 71.0



#55

Dibenzofuran

Concen: 42.388 ng

RT: 10.104 min Scan# 1363

Delta R.T. 0.000 min

Lab File: BF137473.D

Acq: 02 Mar 2024 14:52

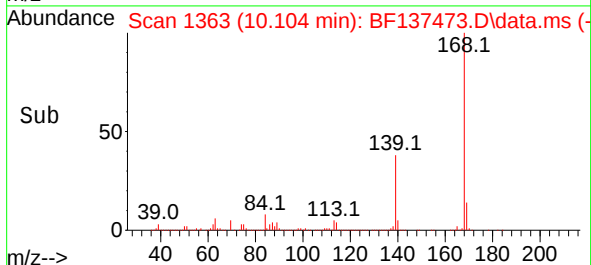
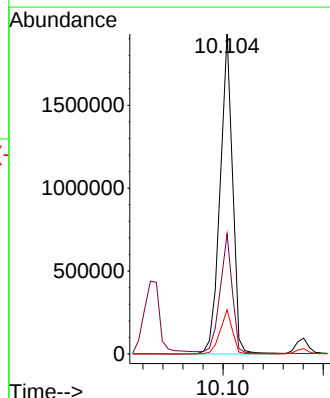
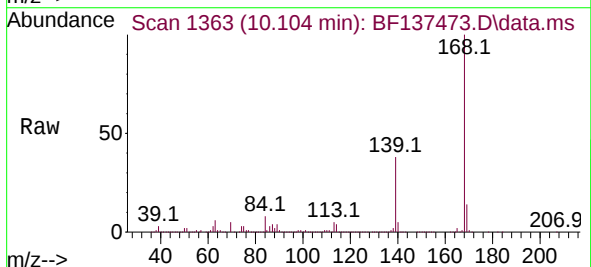
Tgt Ion:168 Resp: 1663750

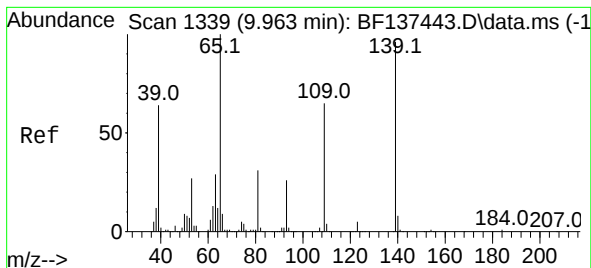
Ion Ratio Lower Upper

168 100

139 37.6 29.8 44.6

169 13.8 10.8 16.2

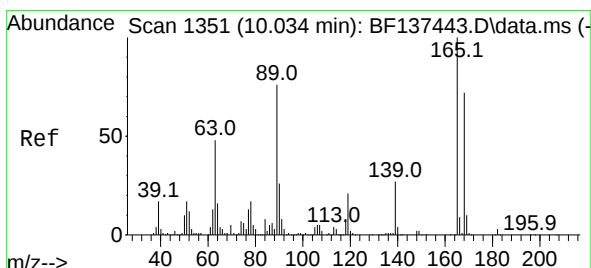
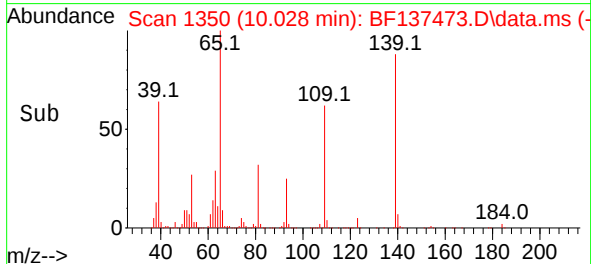
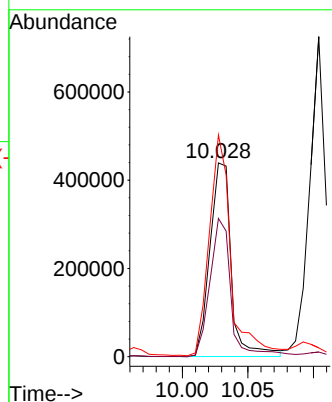
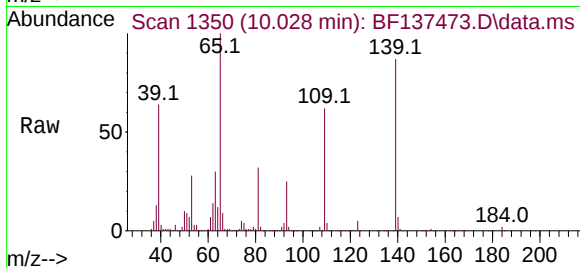




#56
4-Nitrophenol
Concen: 93.295 ng
RT: 10.028 min Scan# 1350
Delta R.T. 0.006 min
Lab File: BF137473.D
Acq: 02 Mar 2024 14:52

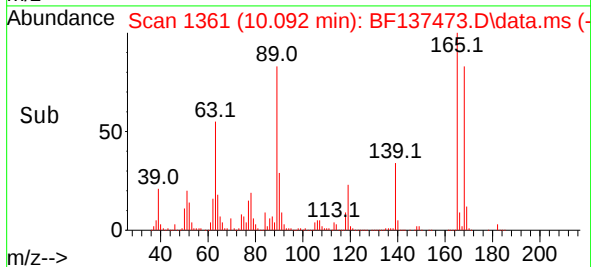
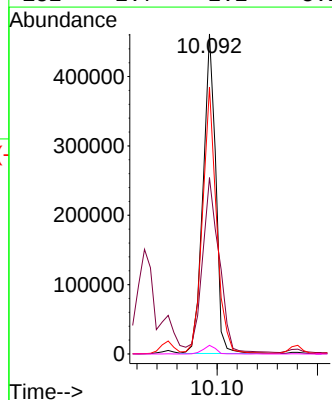
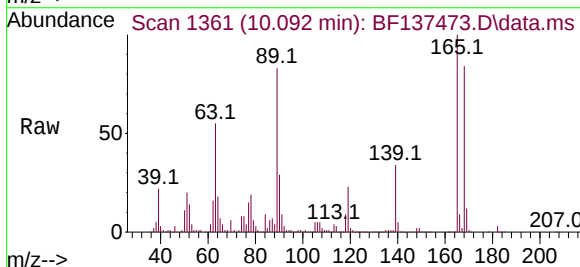
Instrument :
BNA_F
ClientSampleId :
PB159389BS

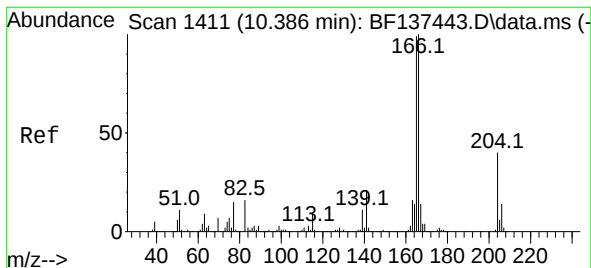
Tgt Ion:139 Resp: 498333
Ion Ratio Lower Upper
139 100
109 71.4 47.1 87.1
65 114.5 85.1 125.1



#57
2,4-Dinitrotoluene
Concen: 46.780 ng
RT: 10.092 min Scan# 1361
Delta R.T. 0.000 min
Lab File: BF137473.D
Acq: 02 Mar 2024 14:52

Tgt Ion:165 Resp: 404486
Ion Ratio Lower Upper
165 100
63 55.1 39.0 58.6
89 83.4 60.9 91.3
182 2.7 2.2 3.2





#58

Fluorene

Concen: 41.703 ng

RT: 10.445 min Scan# 1411

Delta R.T. 0.000 min

Lab File: BF137473.D

Acq: 02 Mar 2024 14:52

Instrument :

BNA_F

ClientSampleId :

PB159389BS

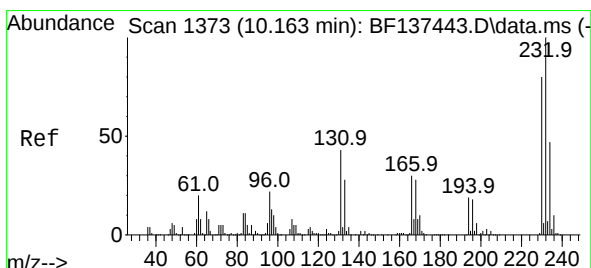
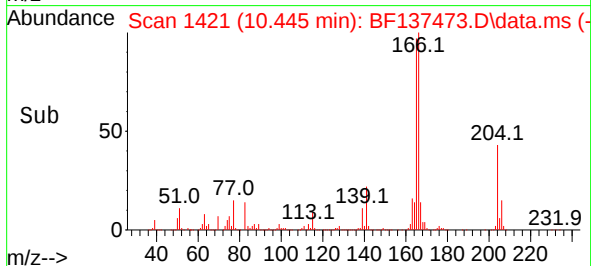
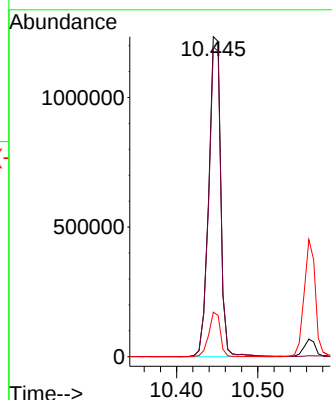
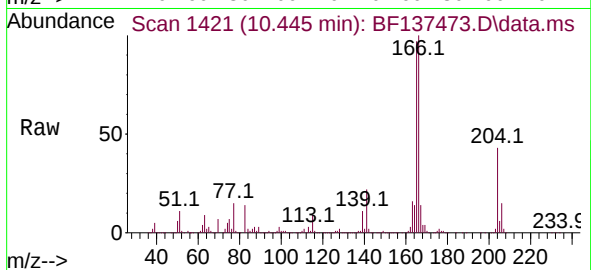
Tgt Ion:166 Resp: 1257075

Ion Ratio Lower Upper

166 100

165 96.8 79.2 118.8

167 13.9 11.0 16.6



#59

2,3,4,6-Tetrachlorophenol

Concen: 45.908 ng

RT: 10.222 min Scan# 1383

Delta R.T. 0.000 min

Lab File: BF137473.D

Acq: 02 Mar 2024 14:52

Tgt Ion:232 Resp: 372666

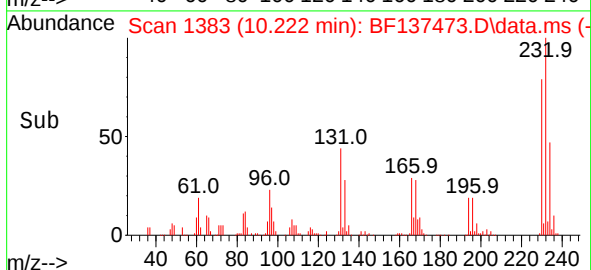
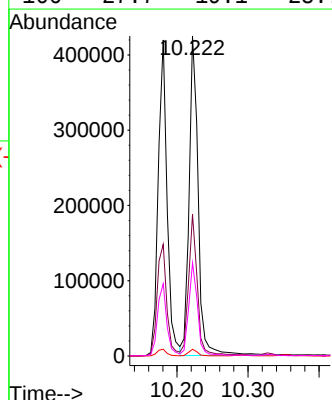
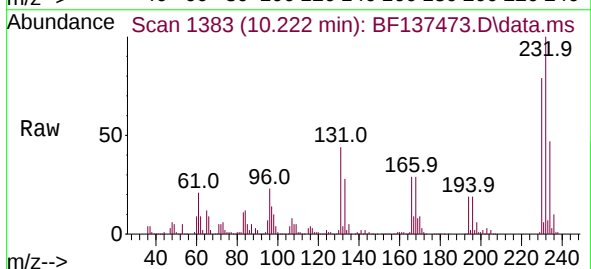
Ion Ratio Lower Upper

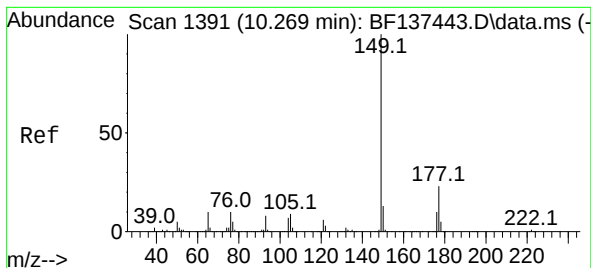
232 100

131 42.3 31.2 46.8

130 2.1 1.8 2.6

166 27.7 19.1 28.7





#60

Diethylphthalate

Concen: 43.668 ng

RT: 10.328 min Scan# 1401

Delta R.T. 0.000 min

Lab File: BF137473.D

Acq: 02 Mar 2024 14:52

Instrument :

BNA_F

ClientSampleId :

PB159389BS

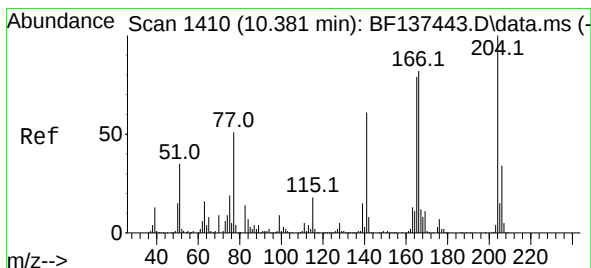
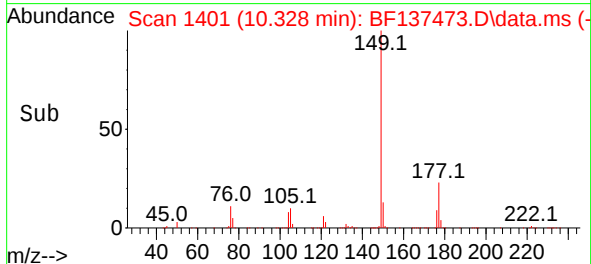
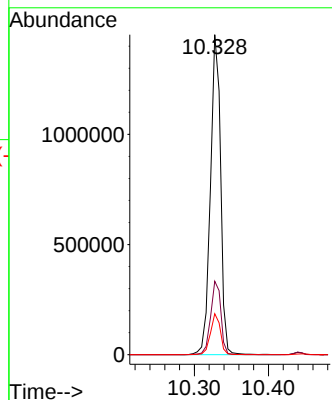
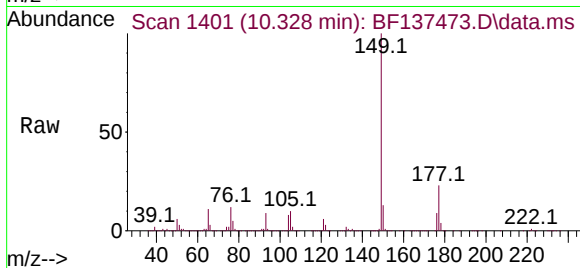
Tgt Ion:149 Resp: 1387533

Ion Ratio Lower Upper

149 100

177 22.9 18.7 28.1

150 12.8 10.2 15.4



#61

4-Chlorophenyl-phenylether

Concen: 40.994 ng

RT: 10.439 min Scan# 1420

Delta R.T. 0.000 min

Lab File: BF137473.D

Acq: 02 Mar 2024 14:52

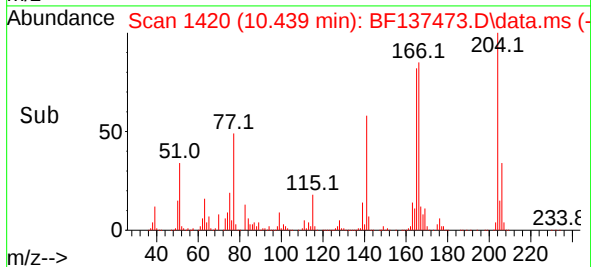
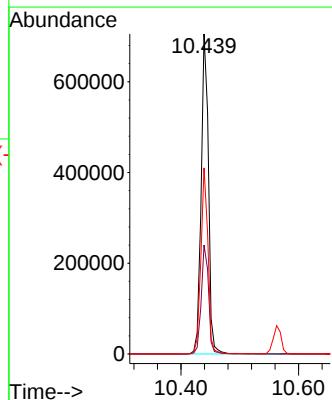
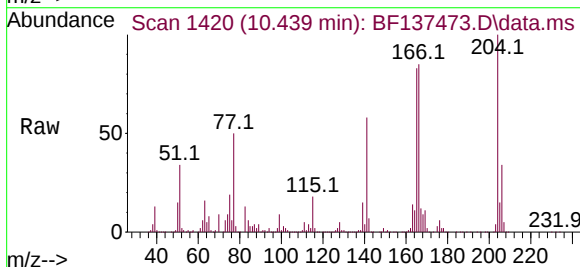
Tgt Ion:204 Resp: 605615

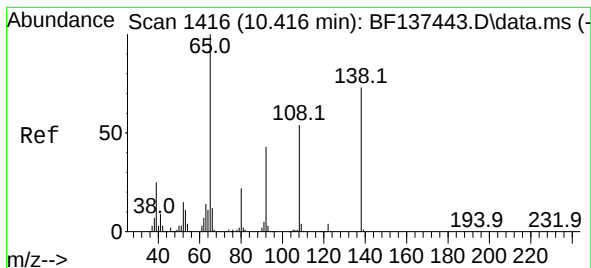
Ion Ratio Lower Upper

204 100

206 34.0 27.4 41.0

141 58.2 48.4 72.6

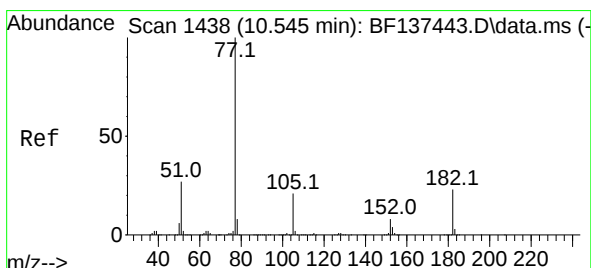
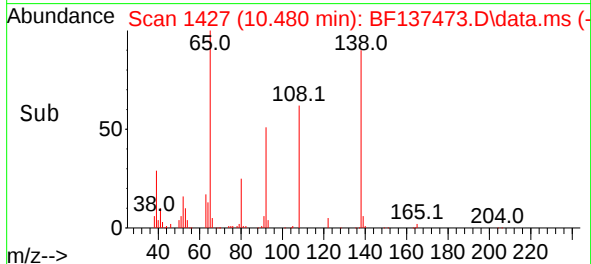
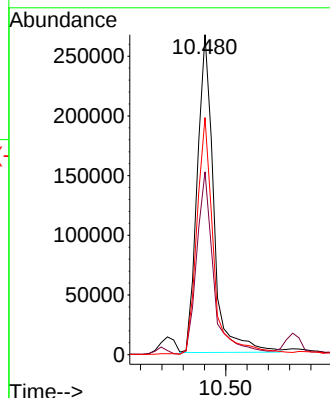
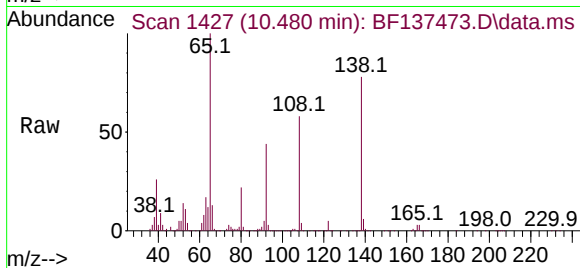




#62
4-Nitroaniline
Concen: 44.757 ng
RT: 10.480 min Scan# 1416
Delta R.T. 0.006 min
Lab File: BF137473.D
Acq: 02 Mar 2024 14:52

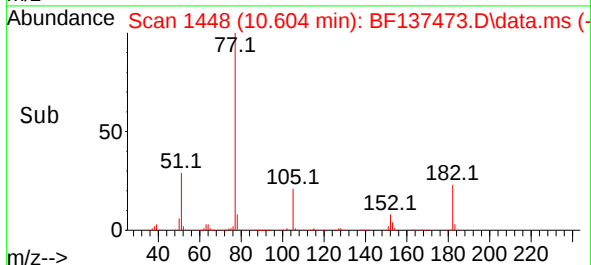
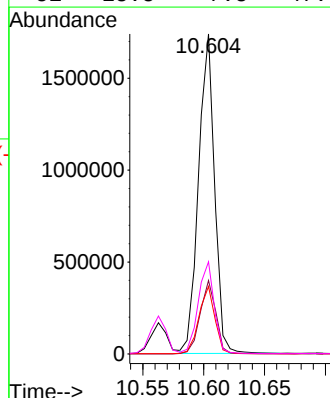
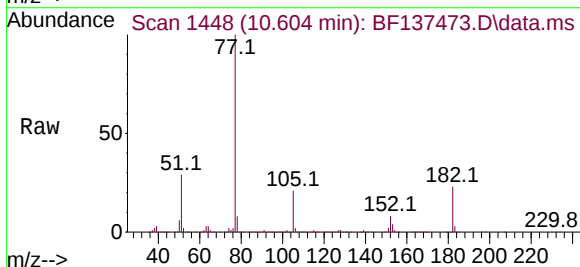
Instrument :
BNA_F
ClientSampleId :
PB159389BS

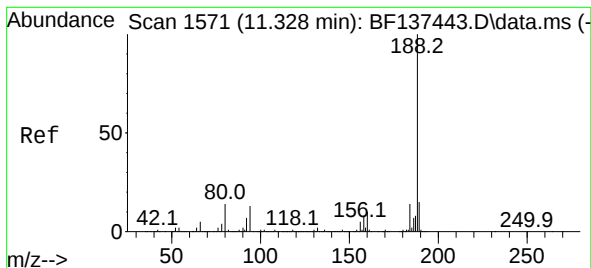
Tgt Ion:138 Resp: 286365
Ion Ratio Lower Upper
138 100
92 57.1 37.9 77.9
108 74.1 53.2 93.2



#63
Azobenzene
Concen: 43.441 ng
RT: 10.604 min Scan# 1448
Delta R.T. 0.000 min
Lab File: BF137473.D
Acq: 02 Mar 2024 14:52

Tgt Ion: 77 Resp: 1589445
Ion Ratio Lower Upper
77 100
182 23.0 3.2 43.2
105 21.1 1.2 41.2
51 28.8 7.8 47.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.386 min Scan# 1431

Delta R.T. 0.000 min

Lab File: BF137473.D

Acq: 02 Mar 2024 14:52

Instrument :

BNA_F

ClientSampleId :

PB159389BS

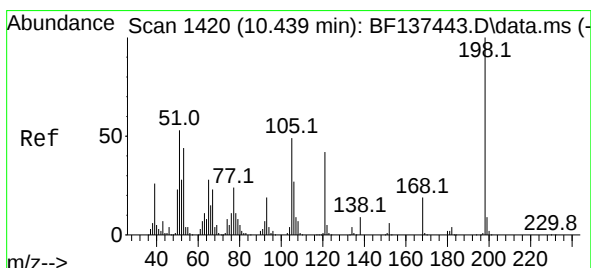
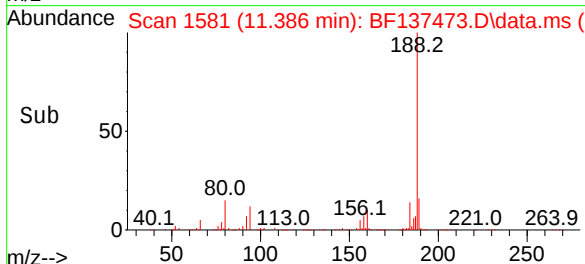
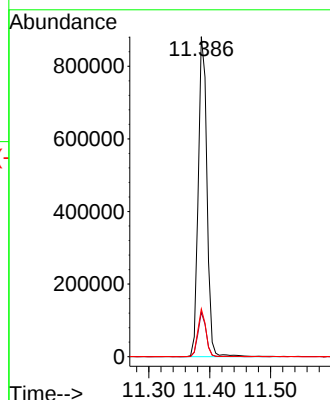
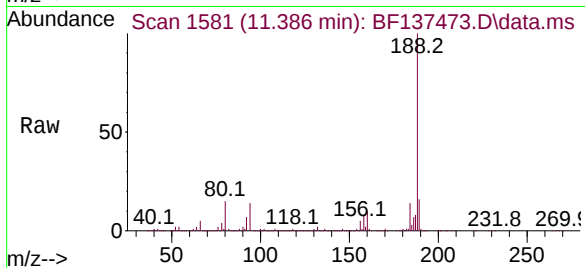
Tgt Ion:188 Resp: 872157

Ion Ratio Lower Upper

188 100

94 13.9 10.6 15.8

80 15.0 11.5 17.3



#65

4,6-Dinitro-2-methylphenol

Concen: 47.337 ng

RT: 10.504 min Scan# 1431

Delta R.T. 0.006 min

Lab File: BF137473.D

Acq: 02 Mar 2024 14:52

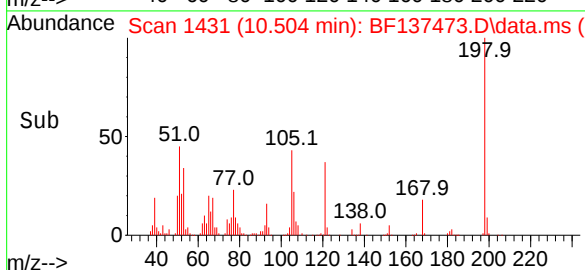
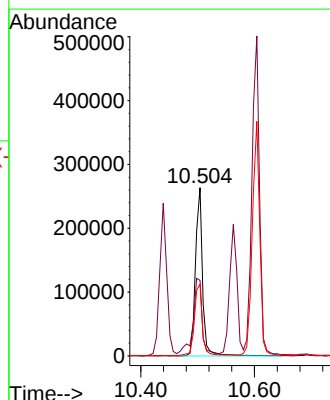
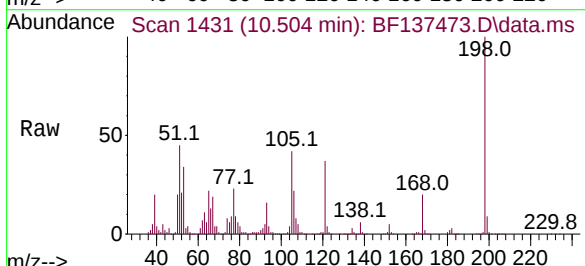
Tgt Ion:198 Resp: 230100

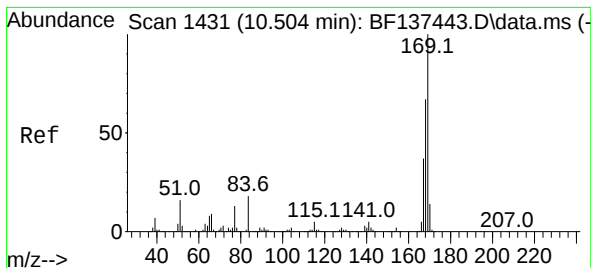
Ion Ratio Lower Upper

198 100

51 44.8 37.2 77.2

105 42.5 29.2 69.2





#66

n-Nitrosodiphenylamine

Concen: 41.830 ng

RT: 10.563 min Scan# 1431

Delta R.T. 0.000 min

Lab File: BF137473.D

Acq: 02 Mar 2024 14:52

Instrument :

BNA_F

ClientSampleId :

PB159389BS

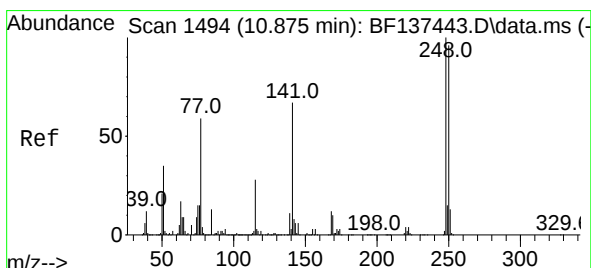
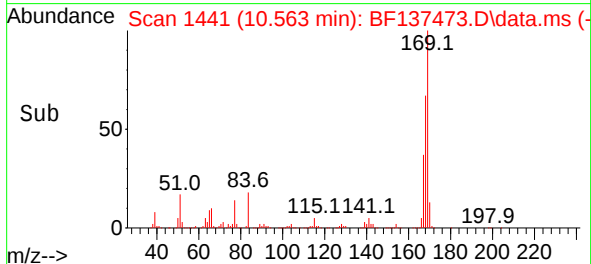
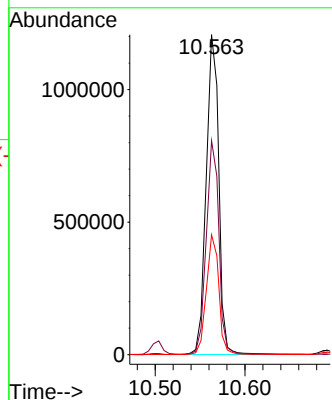
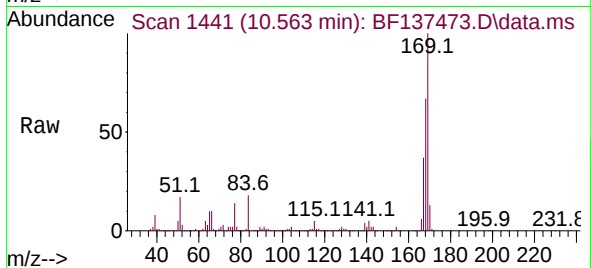
Tgt Ion:169 Resp: 1174793

Ion Ratio Lower Upper

169 100

168 66.9 53.8 80.6

167 37.4 29.6 44.4



#67

4-Bromophenyl-phenylether

Concen: 42.093 ng

RT: 10.933 min Scan# 1504

Delta R.T. 0.000 min

Lab File: BF137473.D

Acq: 02 Mar 2024 14:52

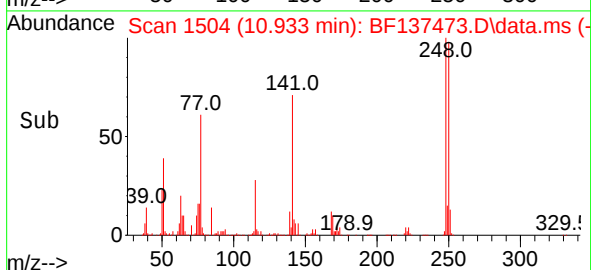
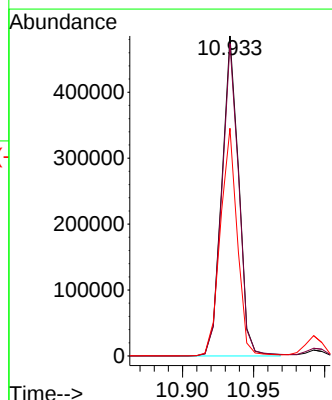
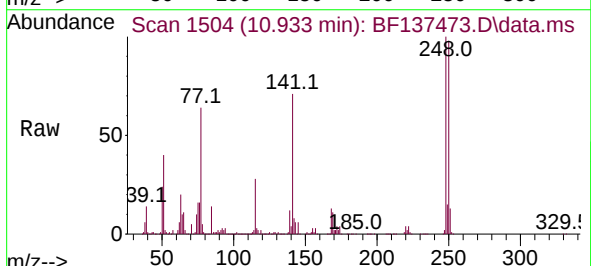
Tgt Ion:248 Resp: 399860

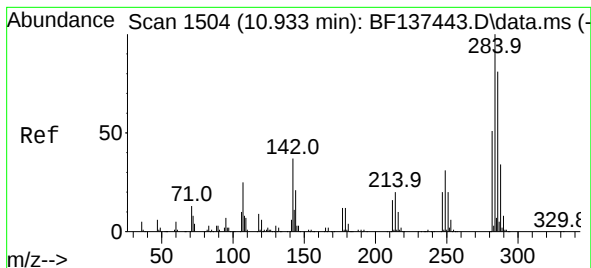
Ion Ratio Lower Upper

248 100

250 97.7 76.8 115.2

141 71.1 53.4 80.0





#68

Hexachlorobenzene

Concen: 45.815 ng

RT: 10.992 min Scan# 1514

Delta R.T. 0.000 min

Lab File: BF137473.D

Acq: 02 Mar 2024 14:52

Instrument :

BNA_F

ClientSampleId :

PB159389BS

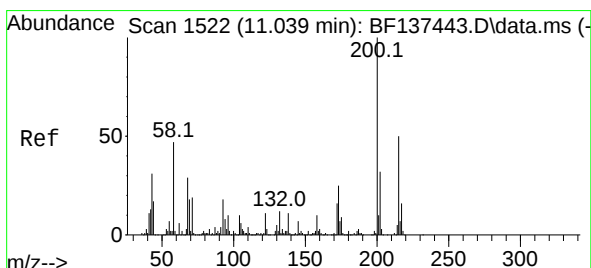
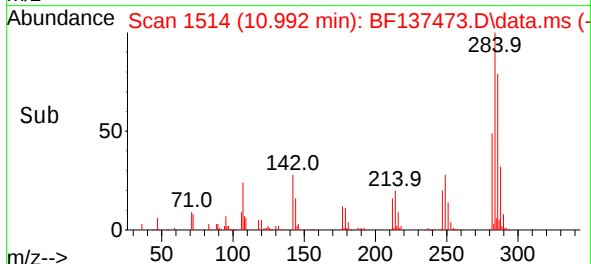
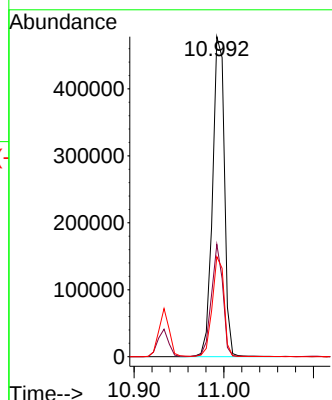
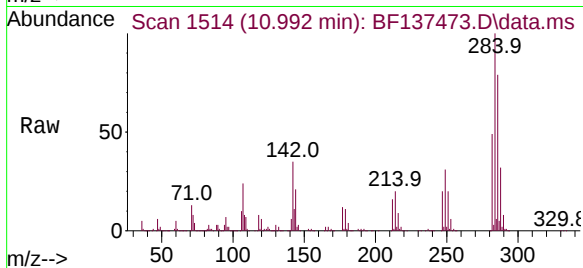
Tgt Ion:284 Resp: 439573

Ion Ratio Lower Upper

284 100

142 35.1 29.4 44.0

249 31.2 25.0 37.4



#69

Atrazine

Concen: 46.034 ng

RT: 11.098 min Scan# 1532

Delta R.T. 0.000 min

Lab File: BF137473.D

Acq: 02 Mar 2024 14:52

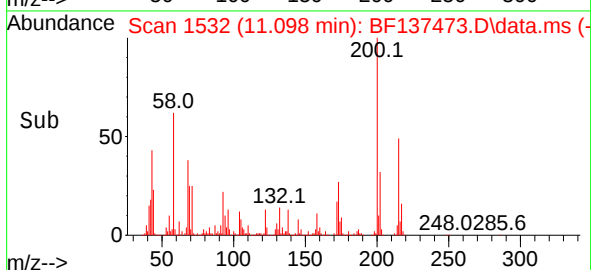
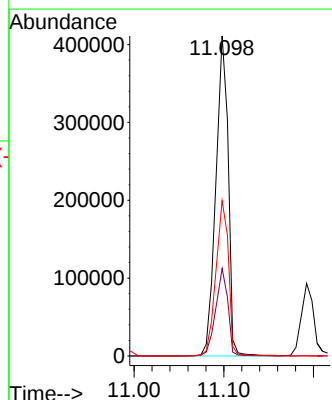
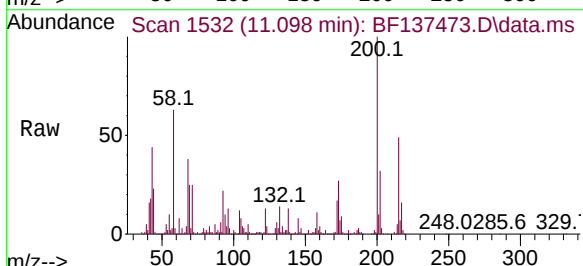
Tgt Ion:200 Resp: 393017

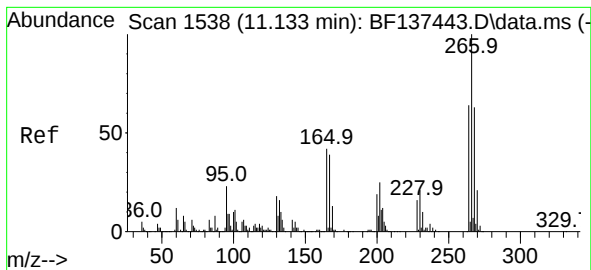
Ion Ratio Lower Upper

200 100

173 27.4 5.1 45.1

215 48.6 30.4 70.4





#70

Pentachlorophenol

Concen: 86.664 ng

RT: 11.192 min Scan# 1548

Delta R.T. 0.000 min

Lab File: BF137473.D

Acq: 02 Mar 2024 14:52

Instrument :

BNA_F

ClientSampleId :

PB159389BS

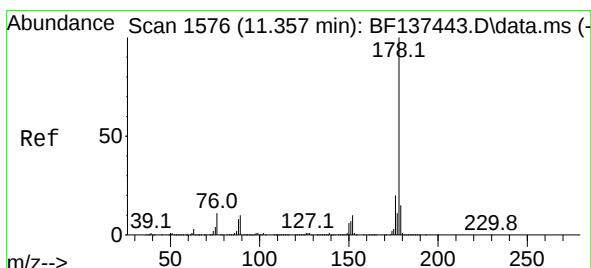
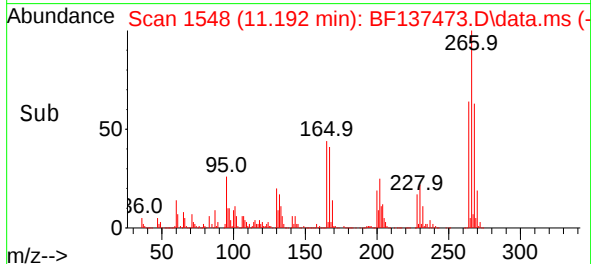
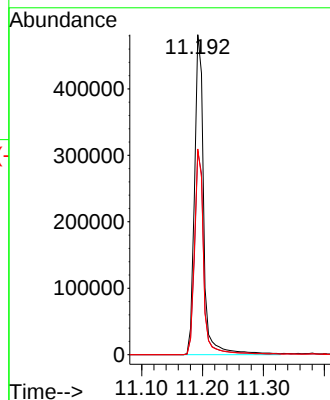
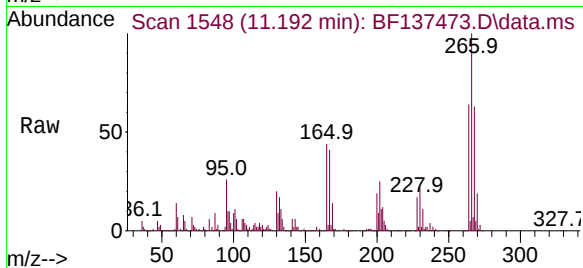
Tgt Ion:266 Resp: 502654

Ion Ratio Lower Upper

266 100

268 63.5 50.2 75.2

264 64.3 50.9 76.3



#71

Phenanthrene

Concen: 41.835 ng

RT: 11.416 min Scan# 1586

Delta R.T. 0.000 min

Lab File: BF137473.D

Acq: 02 Mar 2024 14:52

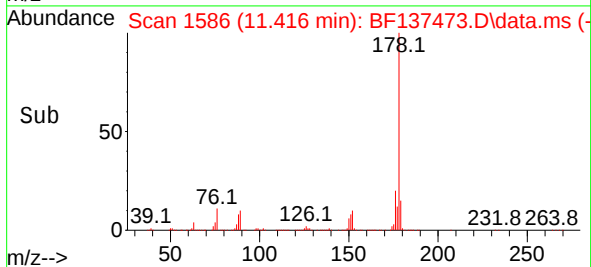
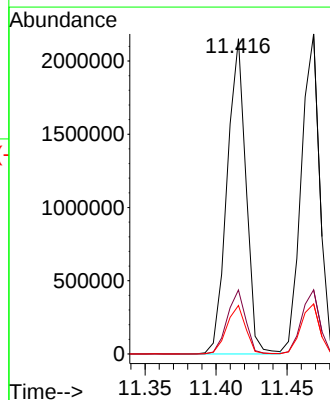
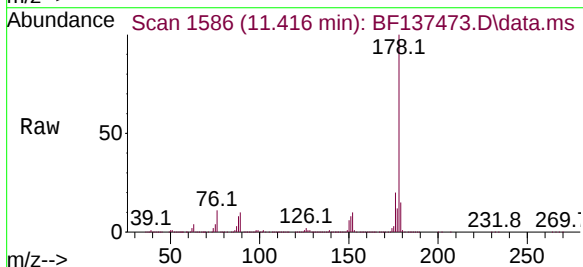
Tgt Ion:178 Resp: 1985659

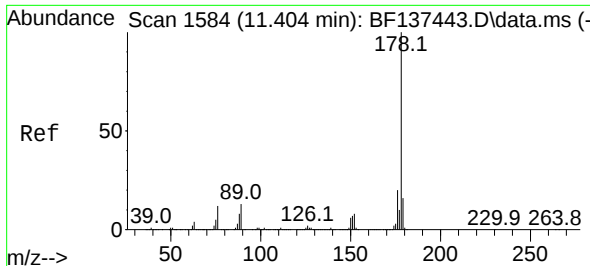
Ion Ratio Lower Upper

178 100

176 20.3 15.8 23.8

179 15.4 12.2 18.2

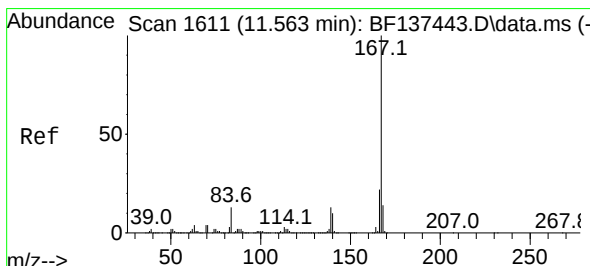
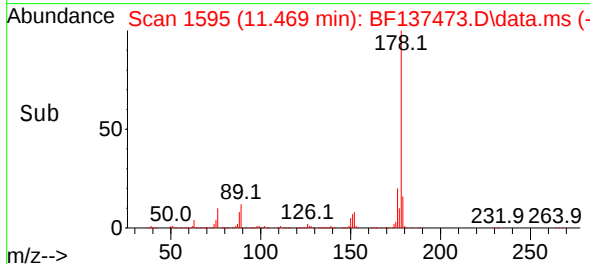
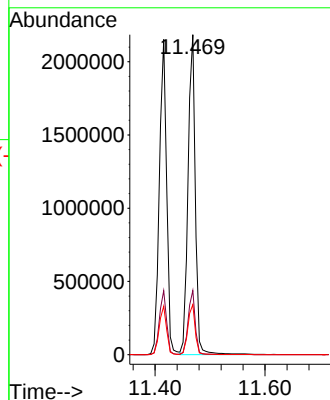
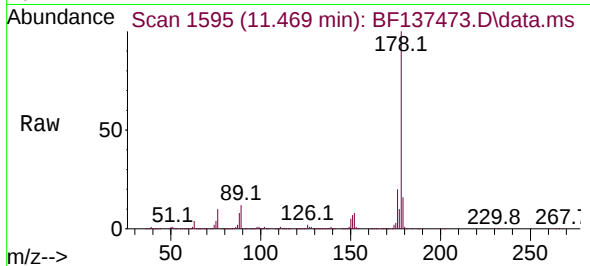




#72
 Anthracene
 Concen: 41.449 ng
 RT: 11.469 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF137473.D
 Acq: 02 Mar 2024 14:52

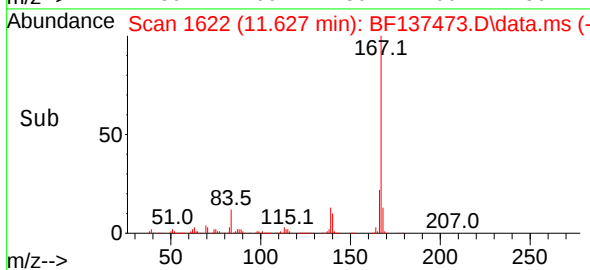
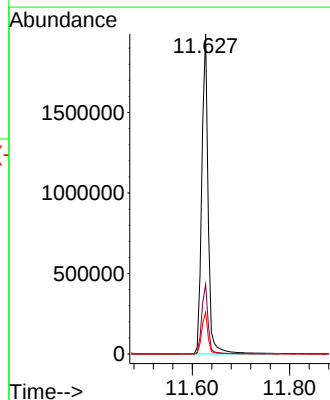
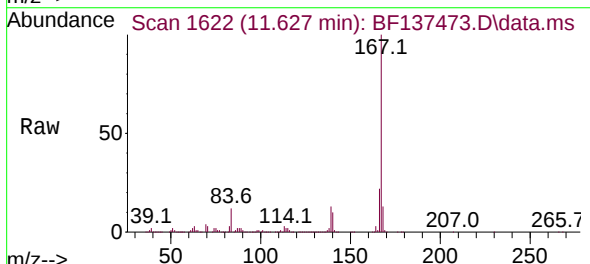
Instrument :
 BNA_F
 ClientSampleId :
 PB159389BS

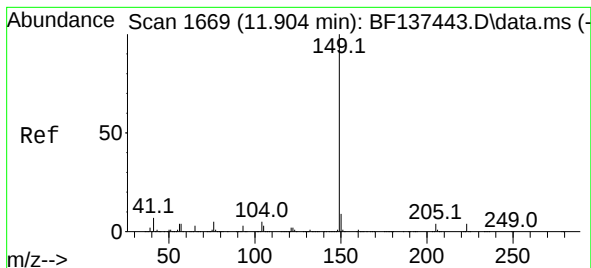
Tgt Ion:178 Resp: 2020567
 Ion Ratio Lower Upper
 178 100
 176 20.1 15.7 23.5
 179 15.7 12.7 19.1



#73
 Carbazole
 Concen: 43.791 ng
 RT: 11.627 min Scan# 1622
 Delta R.T. 0.006 min
 Lab File: BF137473.D
 Acq: 02 Mar 2024 14:52

Tgt Ion:167 Resp: 1828550
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.8 26.8
 139 13.1 10.5 15.7





#74

Di-n-butylphthalate

Concen: 43.422 ng

RT: 11.963 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF137473.D

Acq: 02 Mar 2024 14:52

Instrument :

BNA_F

ClientSampleId :

PB159389BS

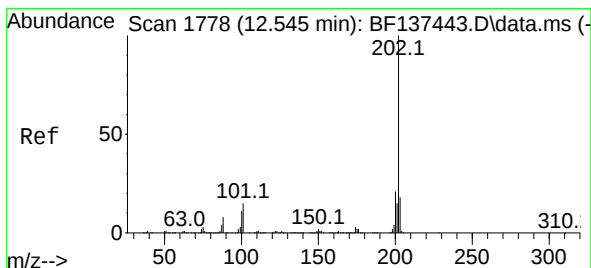
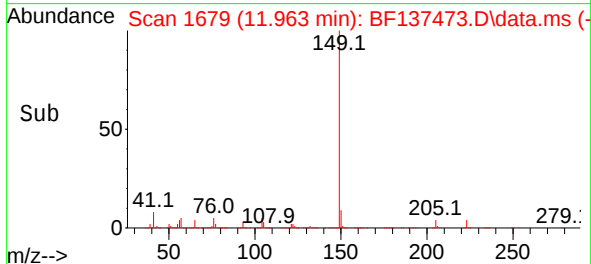
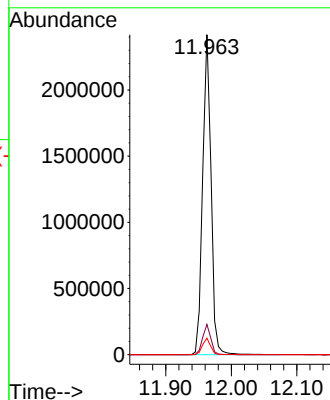
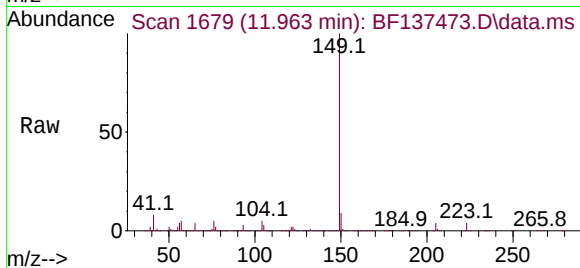
Tgt Ion:149 Resp: 2157229

Ion Ratio Lower Upper

149 100

150 9.4 7.4 11.0

104 5.1 3.8 5.6



#75

Fluoranthene

Concen: 43.630 ng

RT: 12.610 min Scan# 1789

Delta R.T. 0.000 min

Lab File: BF137473.D

Acq: 02 Mar 2024 14:52

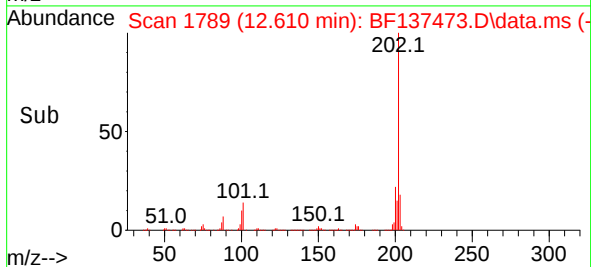
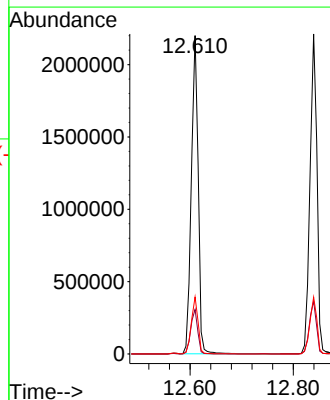
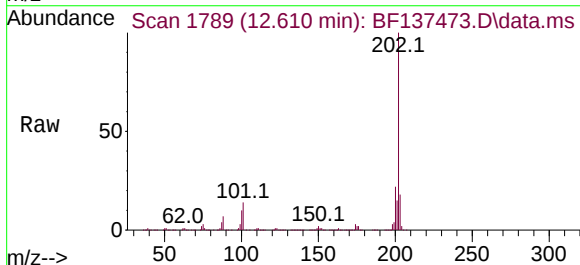
Tgt Ion:202 Resp: 2024227

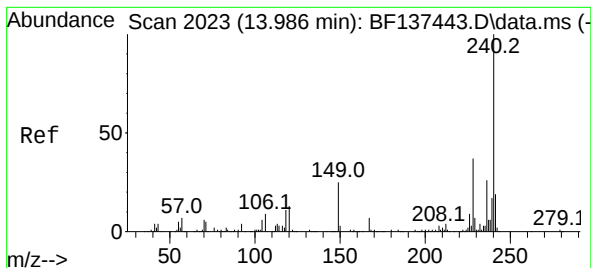
Ion Ratio Lower Upper

202 100

101 14.0 0.0 35.0

203 17.9 0.0 37.7

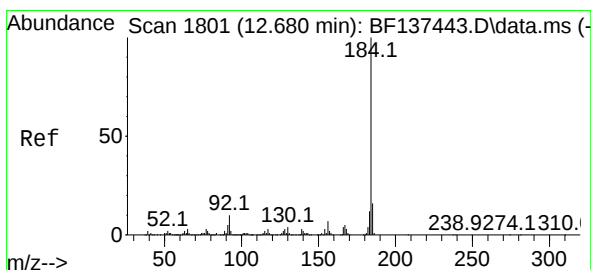
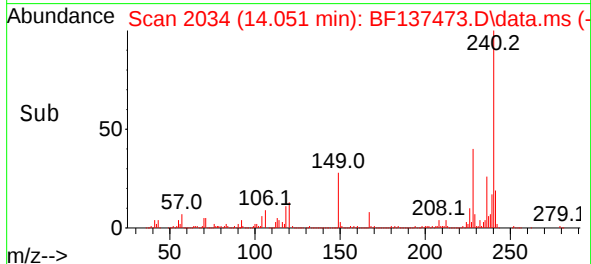
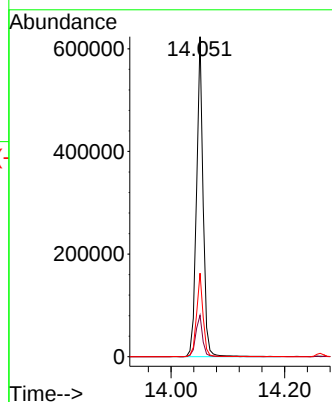
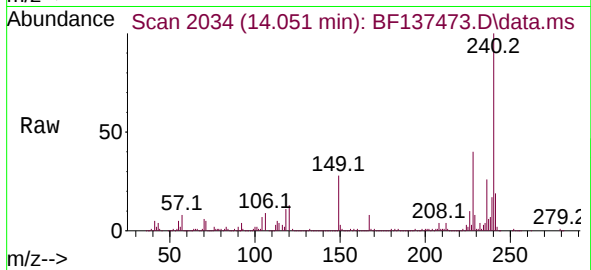




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF137473.D
Acq: 02 Mar 2024 14:52

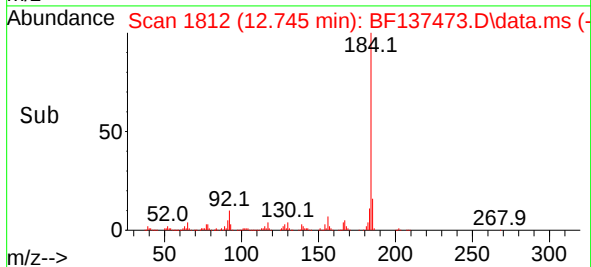
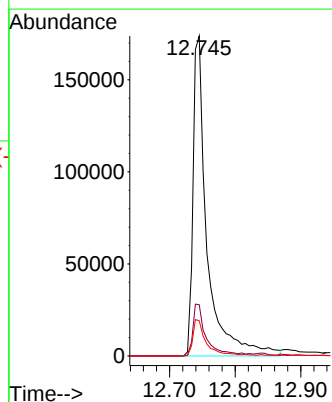
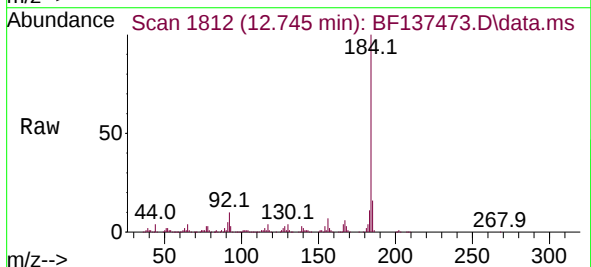
Instrument :
BNA_F
ClientSampleId :
PB159389BS

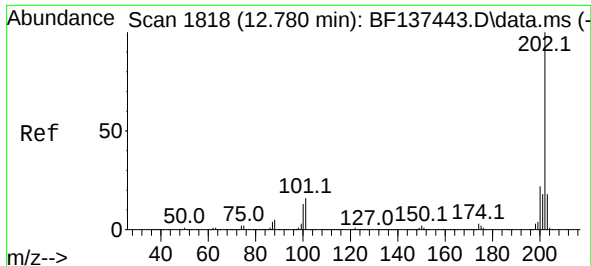
Tgt Ion:240 Resp: 504525
Ion Ratio Lower Upper
240 100
120 13.0 10.4 15.6
236 26.1 20.9 31.3



#77
Benzidine
Concen: 20.996 ng
RT: 12.745 min Scan# 1812
Delta R.T. 0.006 min
Lab File: BF137473.D
Acq: 02 Mar 2024 14:52

Tgt Ion:184 Resp: 259236
Ion Ratio Lower Upper
184 100
185 16.0 13.2 19.8
183 11.0 9.3 13.9

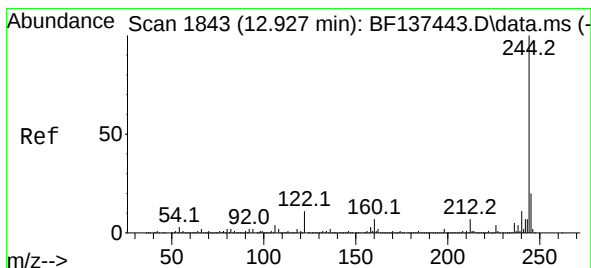
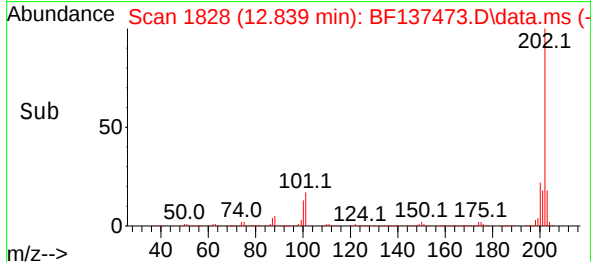
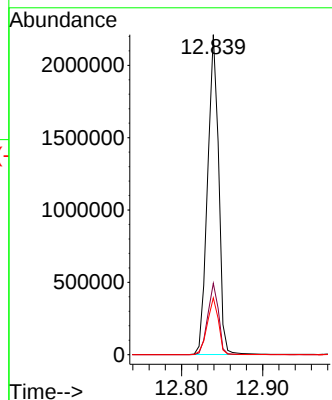
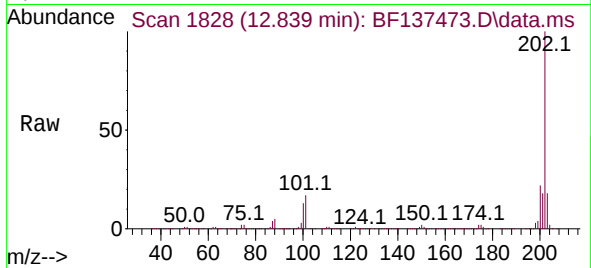




#78
Pyrene
Concen: 42.159 ng
RT: 12.839 min Scan# 1828
Delta R.T. 0.000 min
Lab File: BF137473.D
Acq: 02 Mar 2024 14:52

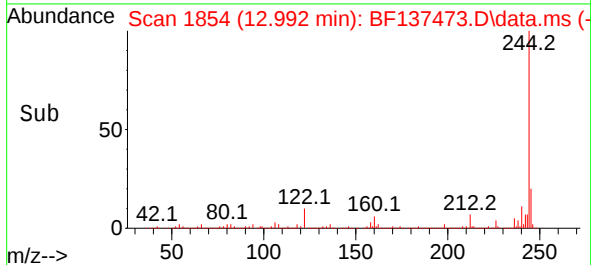
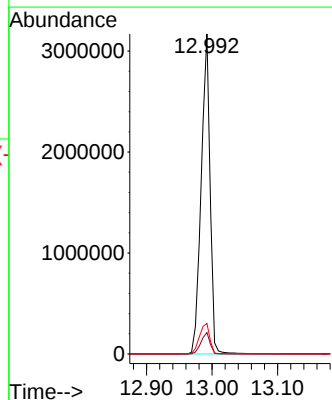
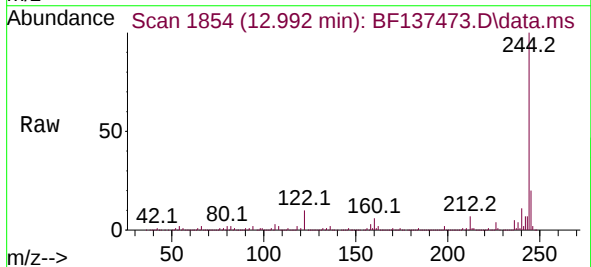
Instrument :
BNA_F
ClientSampleId :
PB159389BS

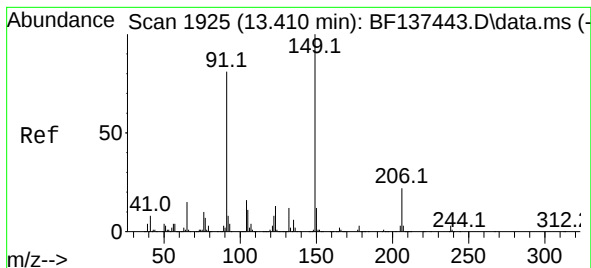
Tgt Ion:202 Resp: 2087107
Ion Ratio Lower Upper
202 100
200 22.3 17.4 26.2
203 17.7 14.1 21.1



#79
Terphenyl-d14
Concen: 81.639 ng
RT: 12.992 min Scan# 1854
Delta R.T. 0.000 min
Lab File: BF137473.D
Acq: 02 Mar 2024 14:52

Tgt Ion:244 Resp: 2995319
Ion Ratio Lower Upper
244 100
212 6.7 5.4 8.2
122 9.5 9.1 13.7





#80

Butylbenzylphthalate

Concen: 50.349 ng

RT: 13.474 min Scan# 1936

Delta R.T. 0.006 min

Lab File: BF137473.D

Acq: 02 Mar 2024 14:52

Instrument :

BNA_F

ClientSampleId :

PB159389BS

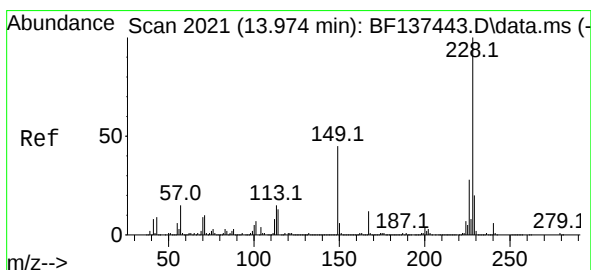
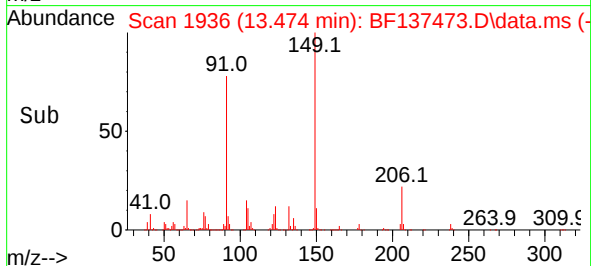
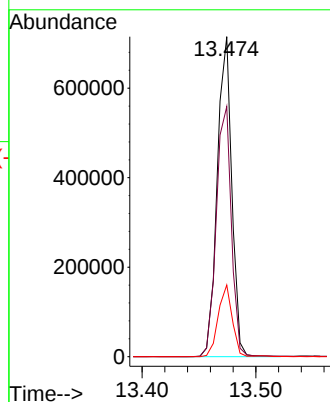
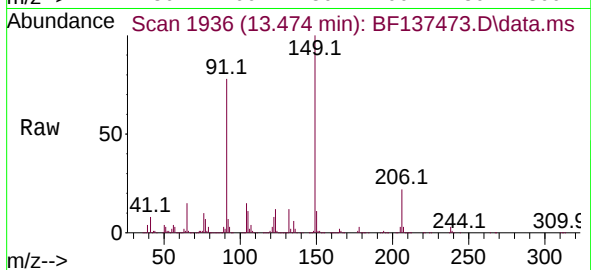
Tgt Ion:149 Resp: 636557

Ion Ratio Lower Upper

149 100

91 78.2 64.7 97.1

206 22.4 17.5 26.3



#81

Benzo(a)anthracene

Concen: 43.049 ng

RT: 14.039 min Scan# 2032

Delta R.T. 0.000 min

Lab File: BF137473.D

Acq: 02 Mar 2024 14:52

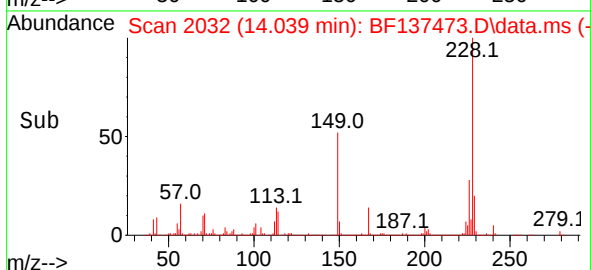
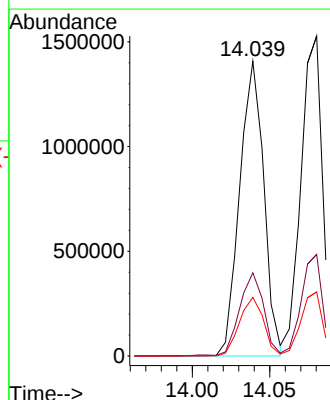
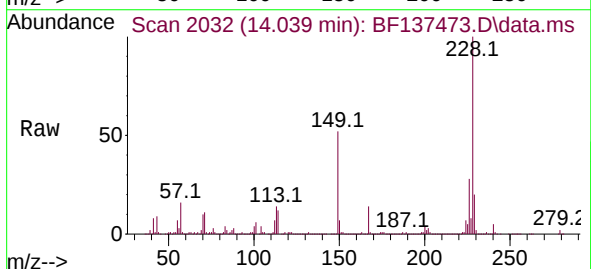
Tgt Ion:228 Resp: 1522279

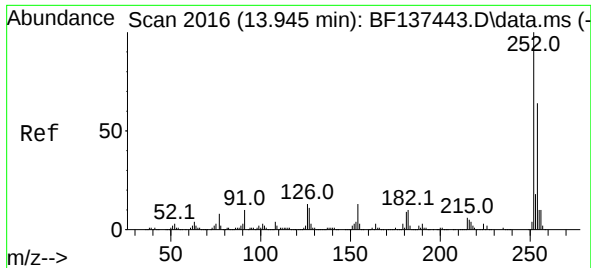
Ion Ratio Lower Upper

228 100

226 28.2 22.3 33.5

229 19.9 16.3 24.5

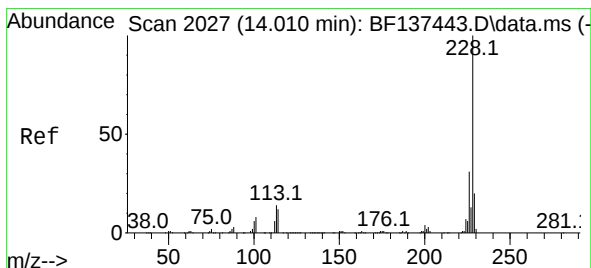
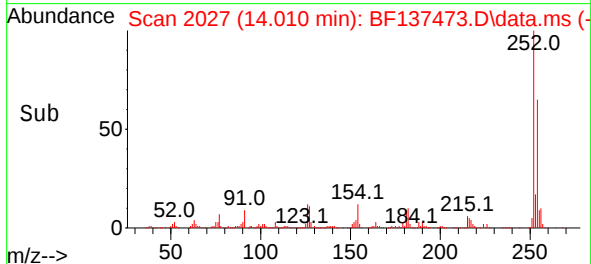
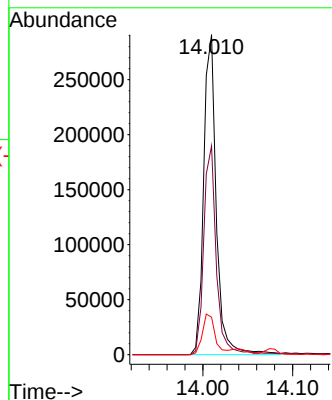
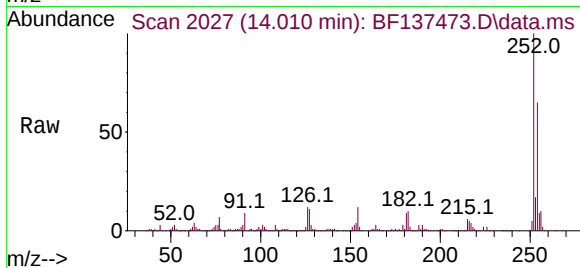




#82
 3,3'-Dichlorobenzidine
 Concen: 30.299 ng
 RT: 14.010 min Scan# 2016
 Delta R.T. 0.006 min
 Lab File: BF137473.D
 Acq: 02 Mar 2024 14:52

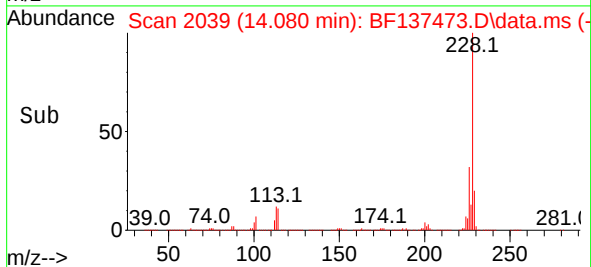
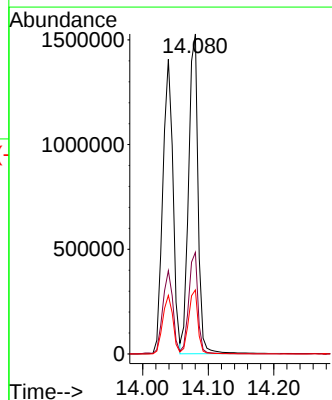
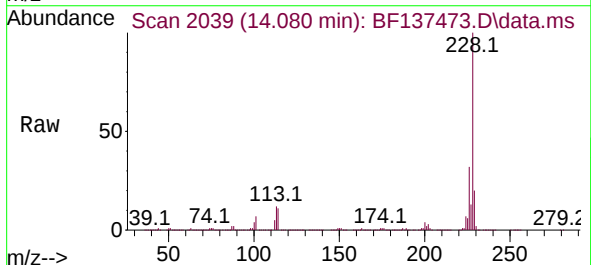
Instrument :
 BNA_F
 ClientSampleId :
 PB159389BS

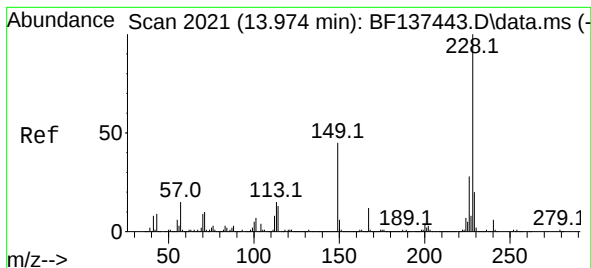
Tgt Ion:252 Resp: 285322
 Ion Ratio Lower Upper
 252 100
 254 65.3 51.4 77.2
 126 11.7 10.4 15.6



#83
 Chrysene
 Concen: 42.684 ng
 RT: 14.080 min Scan# 2039
 Delta R.T. 0.006 min
 Lab File: BF137473.D
 Acq: 02 Mar 2024 14:52

Tgt Ion:228 Resp: 1525521
 Ion Ratio Lower Upper
 228 100
 226 31.8 24.7 37.1
 229 20.0 15.9 23.9

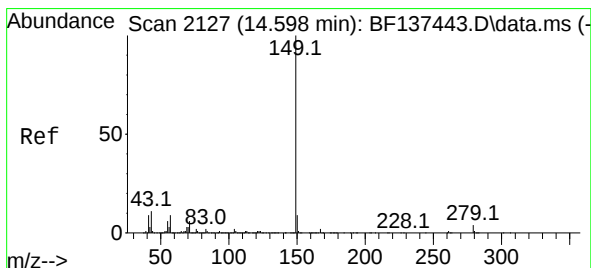
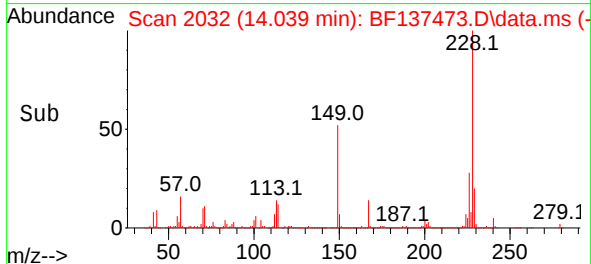
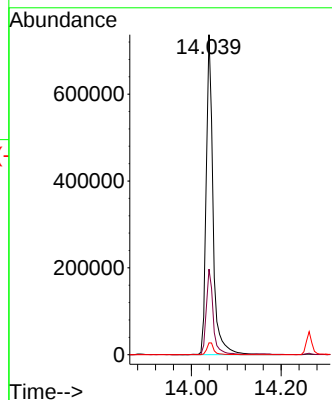
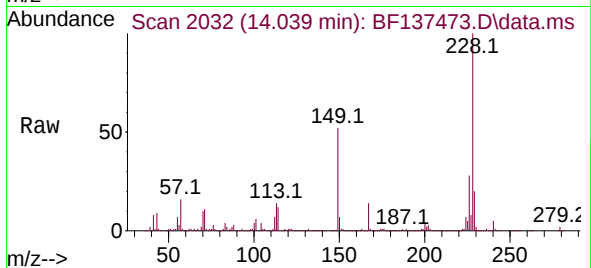




#84
Bis(2-ethylhexyl)phthalate
Concen: 48.584 ng
RT: 14.039 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF137473.D
Acq: 02 Mar 2024 14:52

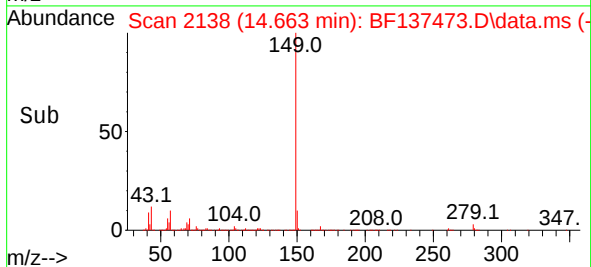
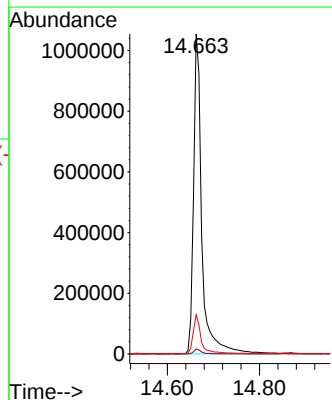
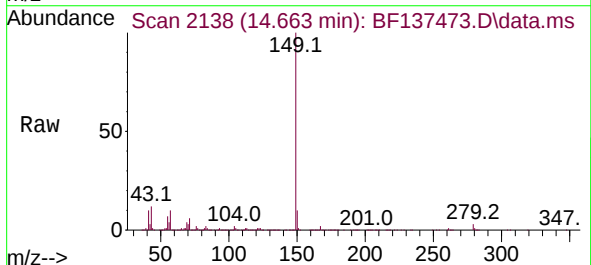
Instrument :
BNA_F
ClientSampleId :
PB159389BS

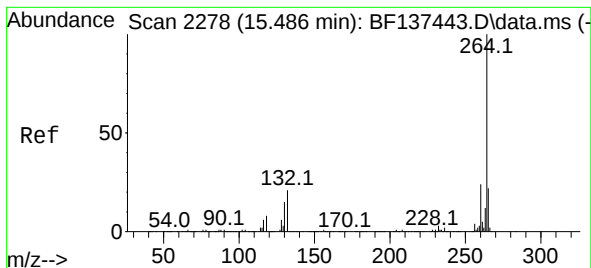
Tgt Ion:149 Resp: 780730
Ion Ratio Lower Upper
149 100
167 26.7 21.3 31.9
279 3.7 2.6 4.0



#85
Di-n-octyl phthalate
Concen: 43.075 ng
RT: 14.663 min Scan# 2138
Delta R.T. 0.000 min
Lab File: BF137473.D
Acq: 02 Mar 2024 14:52

Tgt Ion:149 Resp: 1313887
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 11.6 9.6 14.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.574 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF137473.D

Acq: 02 Mar 2024 14:52

Instrument :

BNA_F

ClientSampleId :

PB159389BS

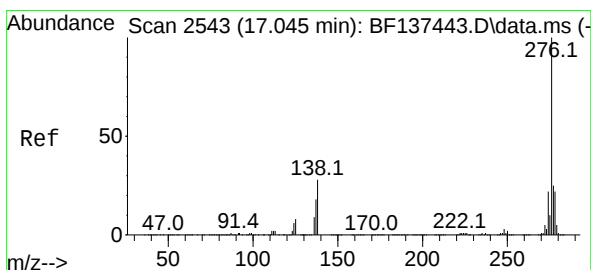
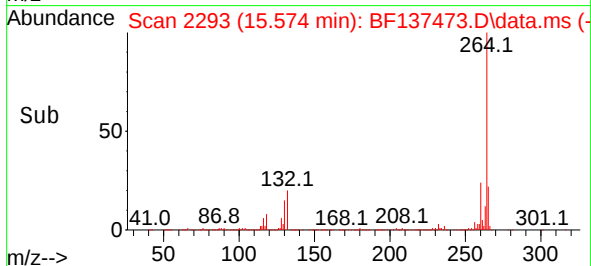
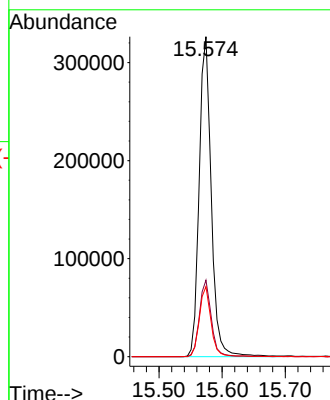
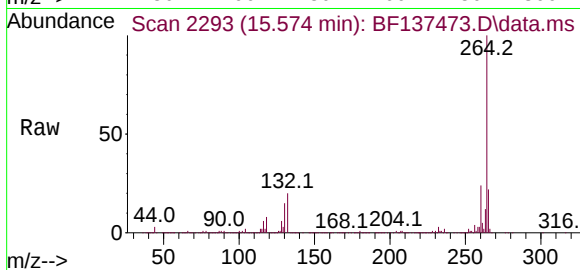
Tgt Ion:264 Resp: 432696

Ion Ratio Lower Upper

264 100

260 23.9 19.3 28.9

265 21.9 17.4 26.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 47.798 ng

RT: 17.162 min Scan# 2563

Delta R.T. 0.006 min

Lab File: BF137473.D

Acq: 02 Mar 2024 14:52

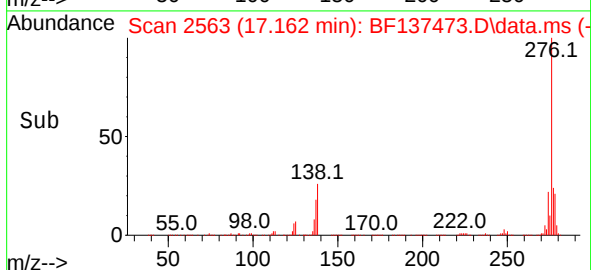
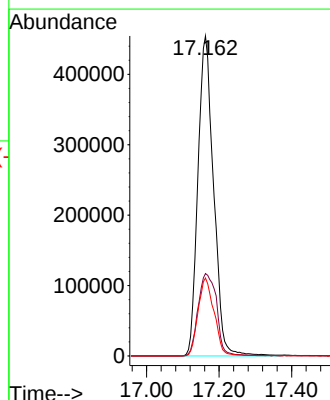
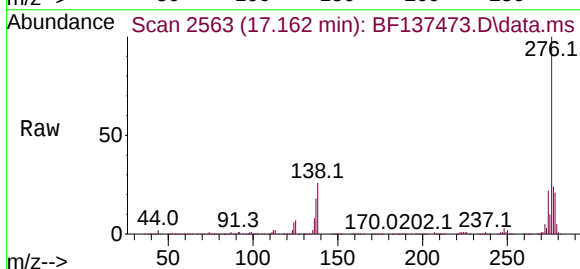
Tgt Ion:276 Resp: 1361020

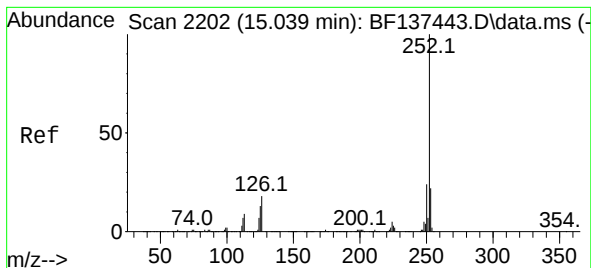
Ion Ratio Lower Upper

276 100

138 30.3 25.8 38.8

277 25.0 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 51.617 ng

RT: 15.121 min Scan# 2216

Delta R.T. 0.006 min

Lab File: BF137473.D

Acq: 02 Mar 2024 14:52

Instrument :

BNA_F

ClientSampleId :

PB159389BS

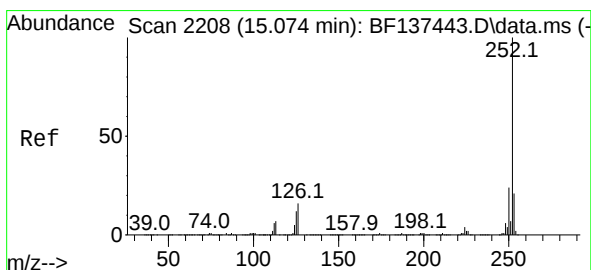
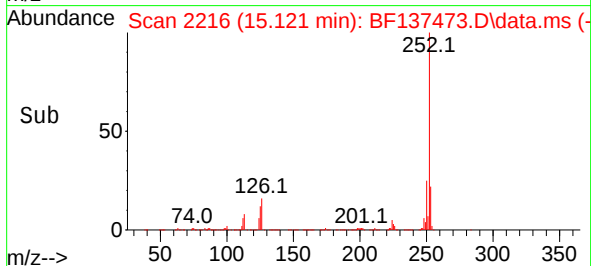
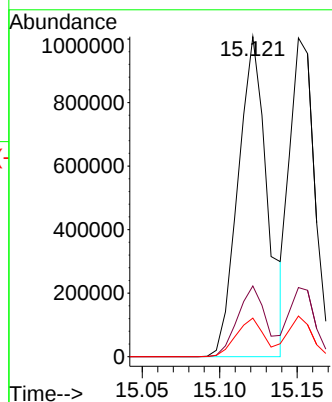
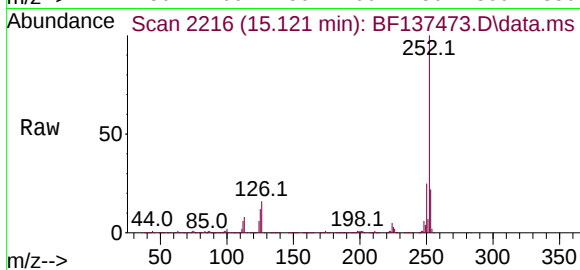
Tgt Ion:252 Resp: 1321158

Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.8

125 12.1 10.1 15.1



#89

Benzo(k)fluoranthene

Concen: 41.950 ng

RT: 15.151 min Scan# 2221

Delta R.T. 0.000 min

Lab File: BF137473.D

Acq: 02 Mar 2024 14:52

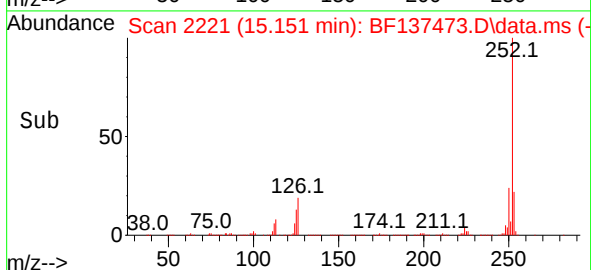
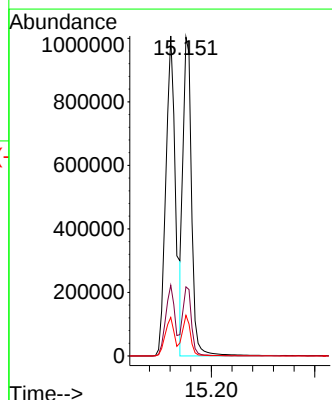
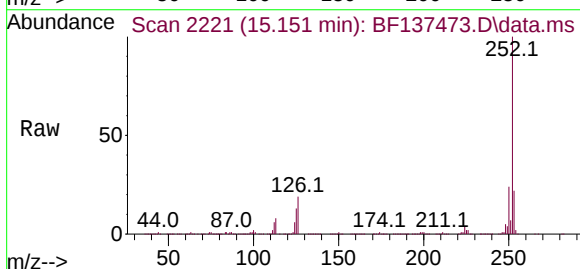
Tgt Ion:252 Resp: 1153287

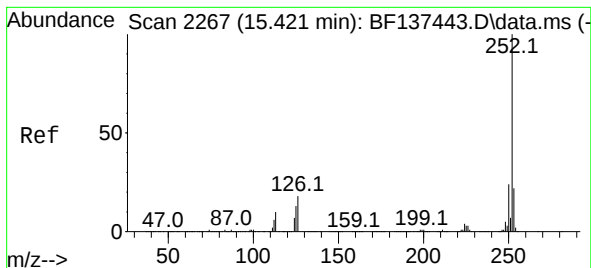
Ion Ratio Lower Upper

252 100

253 21.7 17.3 25.9

125 12.7 9.6 14.4





#90

Benzo(a)pyrene

Concen: 43.546 ng

RT: 15.510 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF137473.D

Acq: 02 Mar 2024 14:52

Instrument :

BNA_F

ClientSampleId :

PB159389BS

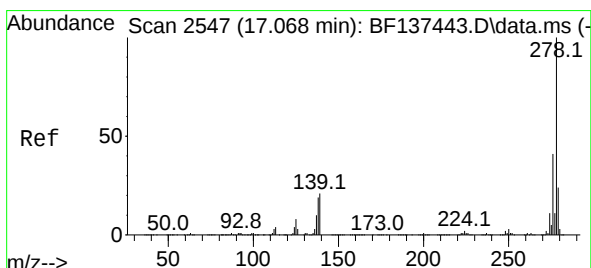
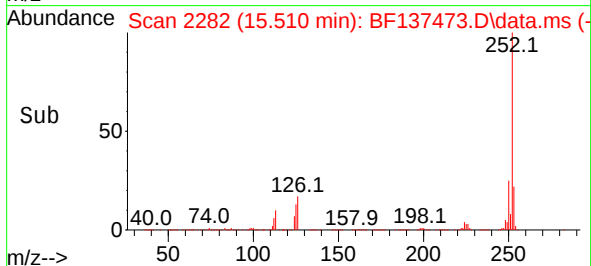
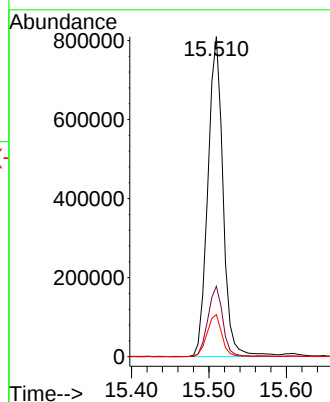
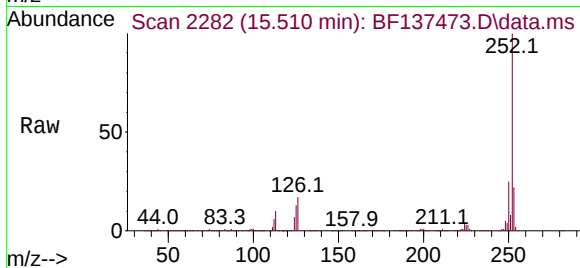
Tgt Ion:252 Resp: 1098367

Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.2

125 13.1 10.4 15.6



#91

Dibenzo(a,h)anthracene

Concen: 47.660 ng

RT: 17.186 min Scan# 2567

Delta R.T. 0.006 min

Lab File: BF137473.D

Acq: 02 Mar 2024 14:52

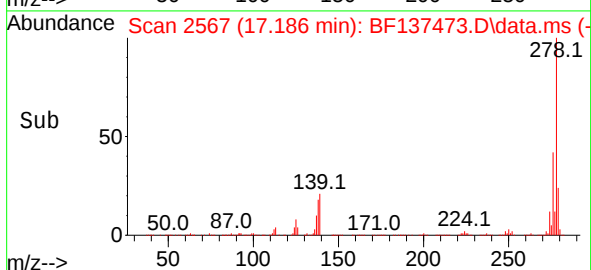
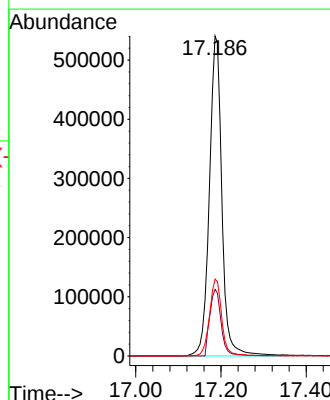
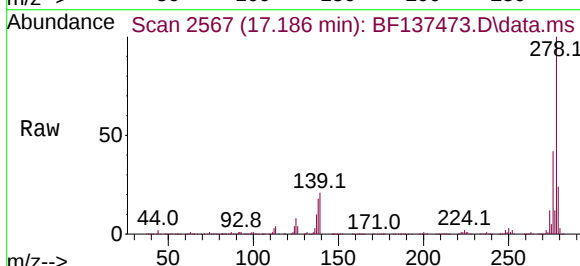
Tgt Ion:278 Resp: 1100884

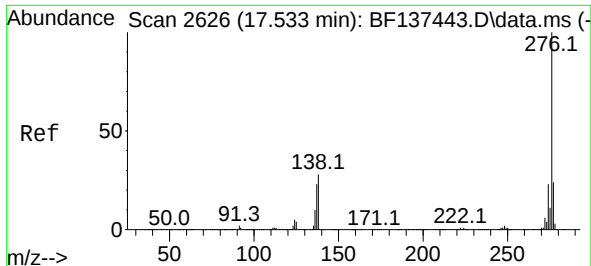
Ion Ratio Lower Upper

278 100

139 20.8 17.0 25.6

279 24.0 18.8 28.2





#92

Benzo(g,h,i)perylene

Concen: 47.325 ng

RT: 17.645 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF137473.D

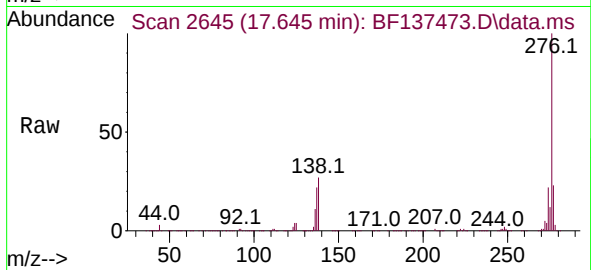
Acq: 02 Mar 2024 14:52

Instrument :

BNA_F

ClientSampleId :

PB159389BS



Tgt Ion:276 Resp: 1122654

Ion Ratio Lower Upper

276 100

277 23.3 19.0 28.4

138 26.8 22.2 33.2

