

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011024\
 Data File : BF137023.D
 Acq On : 10 Jan 2024 16:52
 Operator : CG\JU
 Sample : P1085-07MS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4MS

Quant Time: Jan 10 17:24:10 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	52443	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	186679	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	85304	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	135986	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	118403	20.000	ng	0.00
86) Perylene-d12	15.462	264	139432	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	282053	83.916	ng	0.01
7) Phenol-d6	6.439	99	429110	98.528	ng	0.00
23) Nitrobenzene-d5	7.351	82	274070	75.126	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	61539	61.254	ng	0.00
45) 2-Fluorobiphenyl	9.139	172	513552	80.972	ng	-0.01
79) Terphenyl-d14	12.910	244	457883	54.042	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.604	88	62772	44.823	ng	98
3) Pyridine	3.369	79	147913	43.288	ng	95
4) n-Nitrosodimethylamine	3.340	42	79201	43.405	ng	93
6) Aniline	6.451	93	136259	31.293	ng	# 17
8) 2-Chlorophenol	6.581	128	163635	44.488	ng	91
9) Benzaldehyde	6.340	77	26616	10.744	ng	94
10) Phenol	6.451	94	194004	41.729	ng	91
11) bis(2-Chloroethyl)ether	6.522	93	158956	44.958	ng	98
12) 1,3-Dichlorobenzene	6.728	146	177943	44.347	ng	96
13) 1,4-Dichlorobenzene	6.804	146	182036	44.400	ng	96
14) 1,2-Dichlorobenzene	6.951	146	172110	45.114	ng	99
15) Benzyl Alcohol	6.934	79	130485	44.410	ng	96
16) 2,2'-oxybis(1-Chloropr...	7.063	45	248058	42.912	ng	84
17) 2-Methylphenol	7.051	107	124028	40.703	ng	# 92
18) Hexachloroethane	7.286	117	64106	43.054	ng	98
19) n-Nitroso-di-n-propyla...	7.198	70	114176	43.247	ng	97
20) 3+4-Methylphenols	7.204	107	161133	42.328	ng	# 61
22) Acetophenone	7.192	105	230334	49.226	ng	# 87
24) Nitrobenzene	7.369	77	161011	44.059	ng	97
25) Isophorone	7.604	82	294702	44.395	ng	98
26) 2-Nitrophenol	7.681	139	84122	48.112	ng	94
27) 2,4-Dimethylphenol	7.728	122	116121	54.552	ng	93
28) bis(2-Chloroethoxy)met...	7.816	93	184260	45.665	ng	98
29) 2,4-Dichlorophenol	7.934	162	123607	45.104	ng	94
30) 1,2,4-Trichlorobenzene	8.004	180	141055	46.196	ng	98
31) Naphthalene	8.086	128	460823	44.934	ng	100
32) Benzoic acid	7.863	122	74112	35.983	ng	97
33) 4-Chloroaniline	8.139	127	52027	13.740	ng	96
34) Hexachlorobutadiene	8.192	225	86093	46.408	ng	95
35) Caprolactam	8.516	113	38516	42.603	ng	97
36) 4-Chloro-3-methylphenol	8.633	107	125963	40.829	ng	96
37) 2-Methylnaphthalene	8.775	142	282980	42.874	ng	100
38) 1-Methylnaphthalene	8.875	142	276438	42.691	ng	100
40) 1,2,4,5-Tetrachloroben...	8.945	216	138129	52.286	ng	99
41) Hexachlorocyclopentadiene	8.922	237	72084	85.235	ng	99
43) 2,4,6-Trichlorophenol	9.063	196	81298	47.985	ng	99

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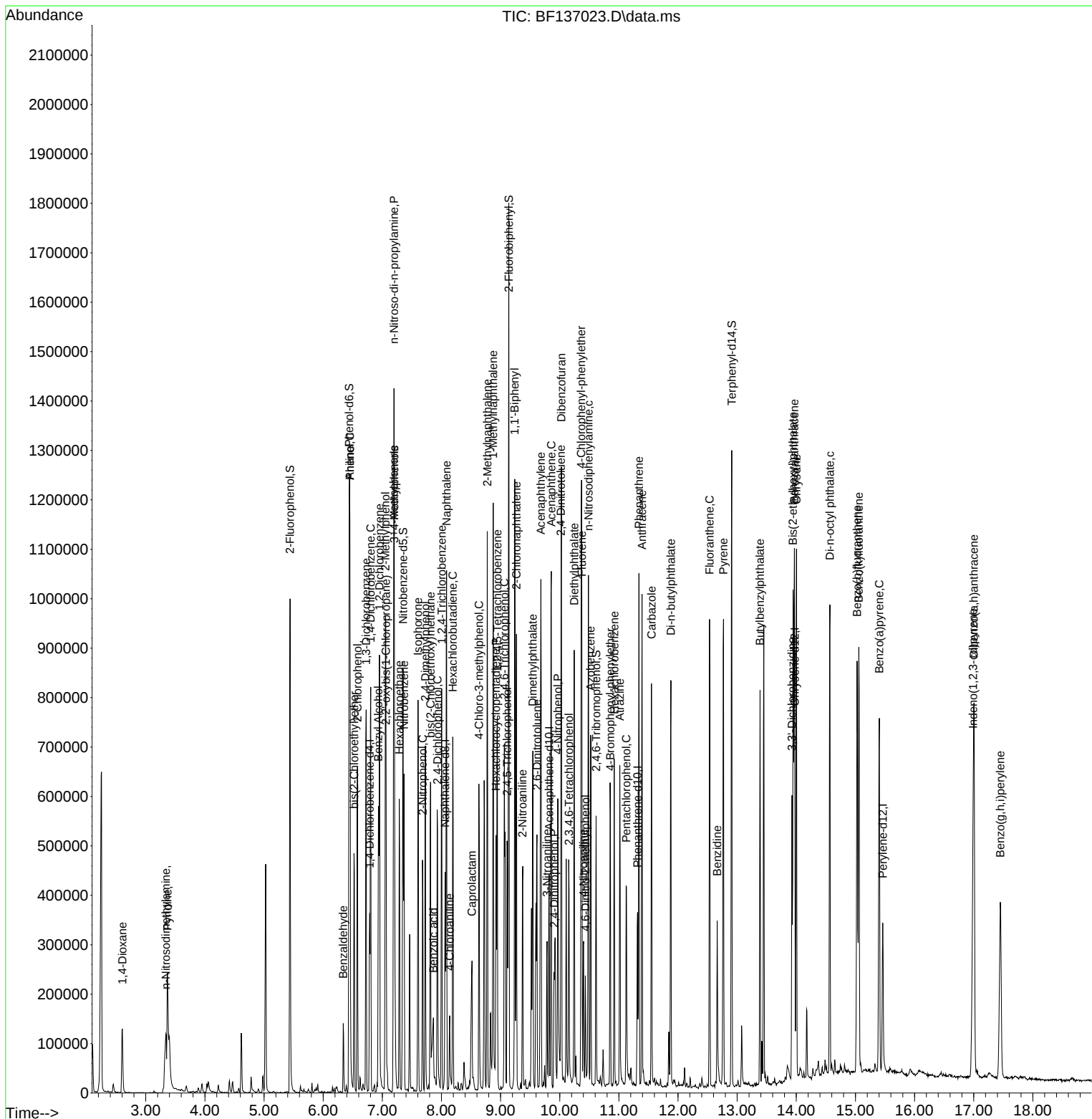
Instrument :
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 ClientSampleId :
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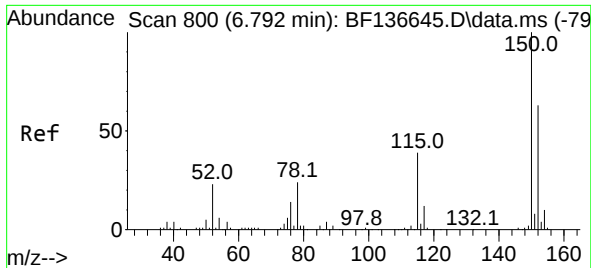
Quant Time: Jan 10 17:24:10 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	82869	43.892	ng	92
46) 1,1'-Biphenyl	9.239	154	363832	50.827	ng	99
47) 2-Chloronaphthalene	9.269	162	263315	48.387	ng	97
48) 2-Nitroaniline	9.369	65	77284	45.352	ng	98
49) Acenaphthylene	9.680	152	423150	50.873	ng	99
50) Dimethylphthalate	9.545	163	293622	47.124	ng	100
51) 2,6-Dinitrotoluene	9.616	165	64088	45.321	ng	93
52) Acenaphthene	9.857	154	239843	46.517	ng	96
53) 3-Nitroaniline	9.786	138	45898	30.640	ng	90
54) 2,4-Dinitrophenol	9.904	184	33182	44.097	ng	97
55) Dibenzofuran	10.027	168	361946	46.309	ng	98
56) 4-Nitrophenol	9.969	139	62734	62.038	ng	92
57) 2,4-Dinitrotoluene	10.022	165	74627	40.652	ng #	92
58) Fluorene	10.375	166	279447	45.061	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.157	232	63371	43.604	ng	96
60) Diethylphthalate	10.245	149	280492	43.387	ng	98
61) 4-Chlorophenyl-phenyle...	10.363	204	135437	44.930	ng	99
62) 4-Nitroaniline	10.404	138	51797	35.869	ng	92
63) Azobenzene	10.522	77	250234	41.442	ng	99
65) 4,6-Dinitro-2-methylph...	10.433	198	26556	34.075	ng	100
66) n-Nitrosodiphenylamine	10.486	169	239199	54.149	ng	98
67) 4-Bromophenyl-phenylether	10.857	248	77137	51.076	ng	93
68) Hexachlorobenzene	10.922	284	82905	49.260	ng	98
69) Atrazine	11.016	200	71600	63.371	ng	99
70) Pentachlorophenol	11.127	266	55500	70.748	ng	94
71) Phenanthrene	11.339	178	353488	50.661	ng	99
72) Anthracene	11.392	178	350978	49.669	ng	99
73) Carbazole	11.551	167	314203	47.161	ng	100
74) Di-n-butylphthalate	11.880	149	405785	49.914	ng	98
75) Fluoranthene	12.533	202	384263	51.485	ng	97
77) Benzidine	12.663	184	143027	40.968	ng	99
78) Pyrene	12.768	202	400421	34.450	ng	99
80) Butylbenzylphthalate	13.386	149	170993	40.430	ng	99
81) Benzo(a)anthracene	13.968	228	403379	49.062	ng	99
82) 3,3'-Dichlorobenzidine	13.927	252	113913	48.787	ng	99
83) Chrysene	14.004	228	375500	46.704	ng	98
84) Bis(2-ethylhexyl)phtha...	13.945	149	256992	48.295	ng	97
85) Di-n-octyl phthalate	14.568	149	474538	57.650	ng	98
87) Indeno(1,2,3-cd)pyrene	16.992	276	422472	41.965	ng	100
88) Benzo(b)fluoranthene	15.027	252	443155	47.586	ng	99
89) Benzo(k)fluoranthene	15.057	252	364613	41.435	ng	99
90) Benzo(a)pyrene	15.404	252	367763	46.783	ng	99
91) Dibenzo(a,h)anthracene	17.003	278	347218	42.041	ng	96
92) Benzo(g,h,i)perylene	17.451	276	309241	36.557	ng	98

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

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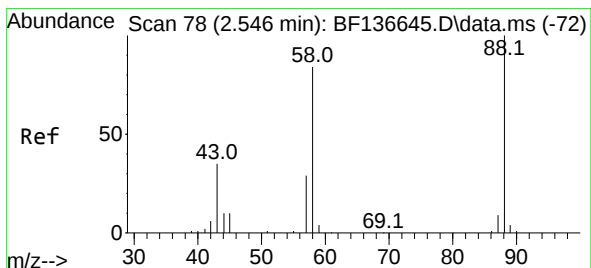
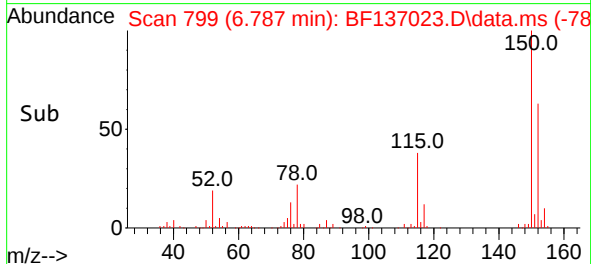
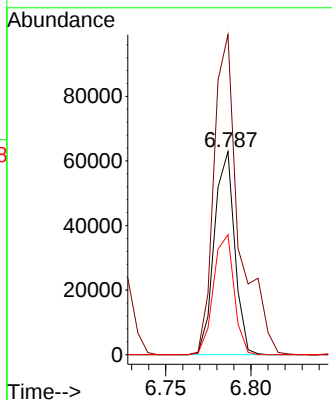
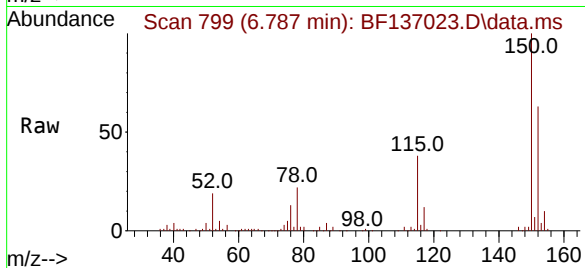




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.787 min Scan# 79
 Delta R.T. -0.005 min
 Lab File: BF137023.D
 Acq: 10 Jan 2024 16:52

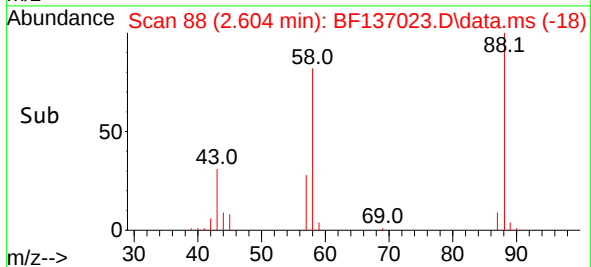
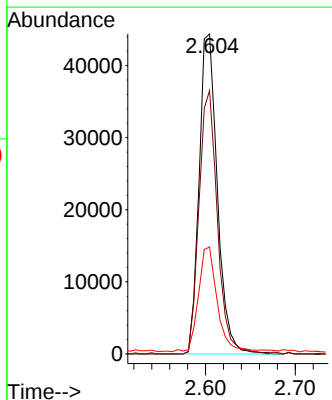
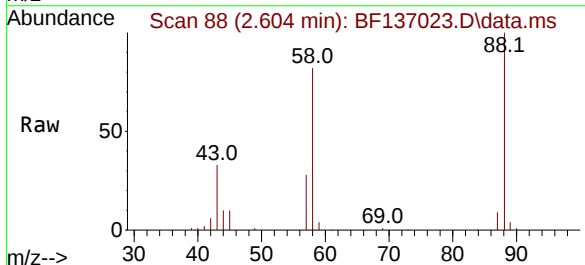
Instrument :
 BNA_F
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 TP-4MS

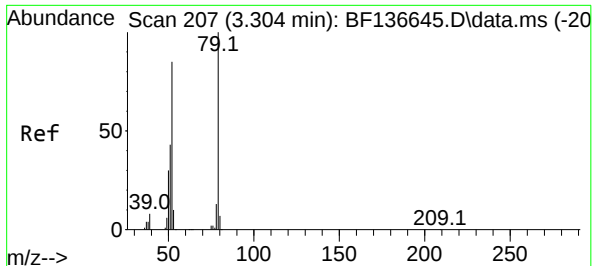
Tgt Ion:152 Resp: 52443
 Ion Ratio Lower Upper
 152 100
 150 157.6 127.0 190.6
 115 59.1 49.0 73.4



#2
 1,4-Dioxane
 Concen: 44.823 ng
 RT: 2.604 min Scan# 88
 Delta R.T. 0.059 min
 Lab File: BF137023.D
 Acq: 10 Jan 2024 16:52

Tgt Ion: 88 Resp: 62772
 Ion Ratio Lower Upper
 88 100
 58 82.6 67.4 101.0
 43 32.9 27.7 41.5

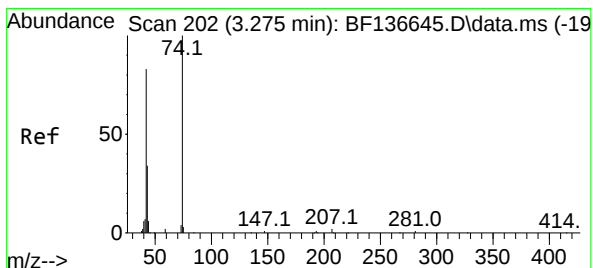
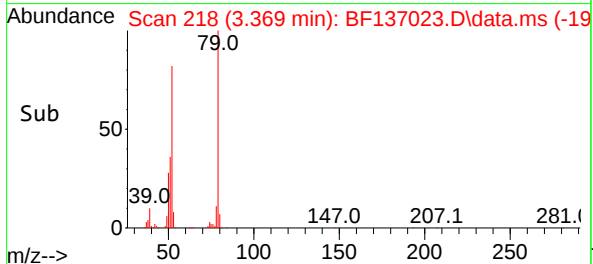
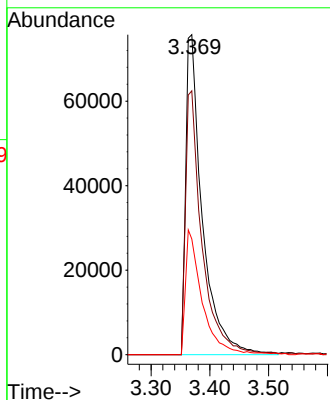
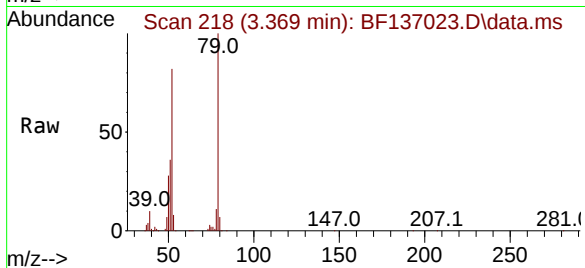




#3
Pyridine
Concen: 43.288 ng
RT: 3.369 min Scan# 213
Delta R.T. 0.065 min
Lab File: BF137023.D
Acq: 10 Jan 2024 16:52

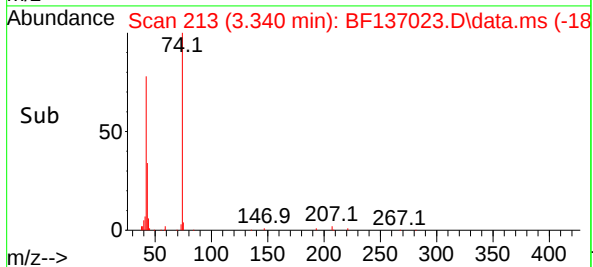
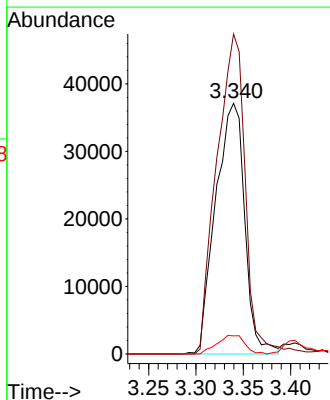
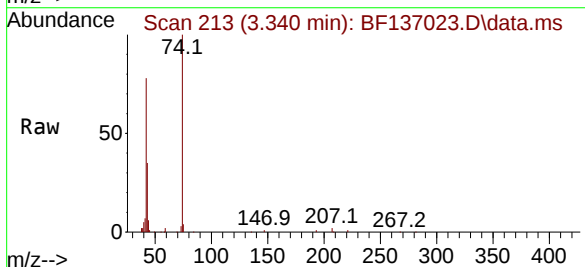
Instrument :
BNA_F
ClientSampleId :
TP-4MS

Tgt Ion: 79 Resp: 147913
Ion Ratio Lower Upper
79 100
52 82.4 67.7 101.5
51 36.2 34.0 51.0



#4
n-Nitrosodimethylamine
Concen: 43.405 ng
RT: 3.340 min Scan# 213
Delta R.T. 0.065 min
Lab File: BF137023.D
Acq: 10 Jan 2024 16:52

Tgt Ion: 42 Resp: 79201
Ion Ratio Lower Upper
42 100
74 127.6 96.0 144.0
44 7.2 5.4 8.2

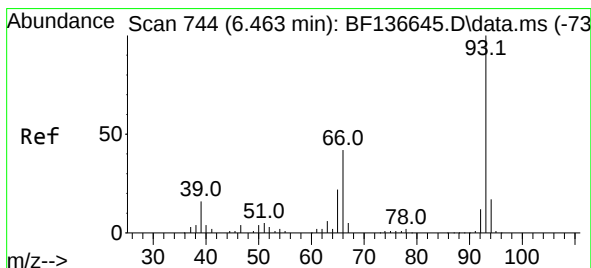
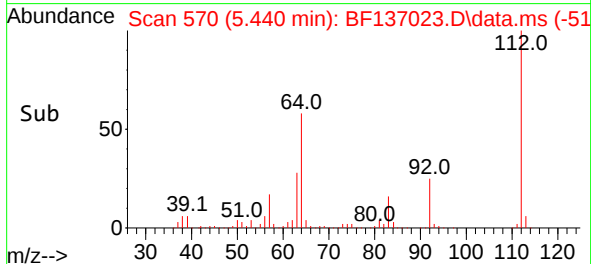
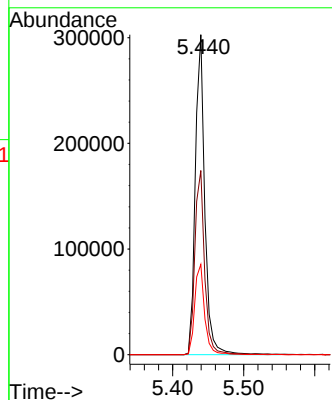
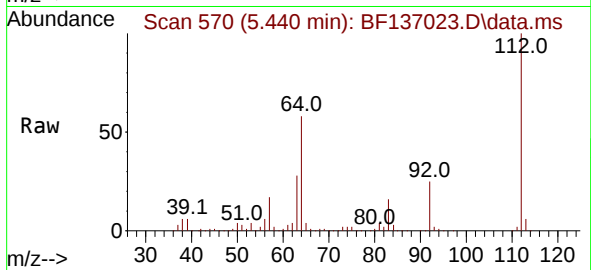




#5
2-Fluorophenol
Concen: 83.916 ng
RT: 5.440 min Scan# 51
Delta R.T. 0.012 min
Lab File: BF137023.D
Acq: 10 Jan 2024 16:52

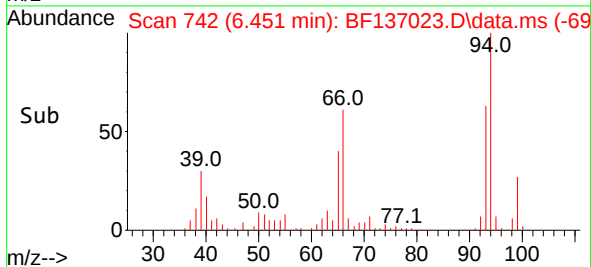
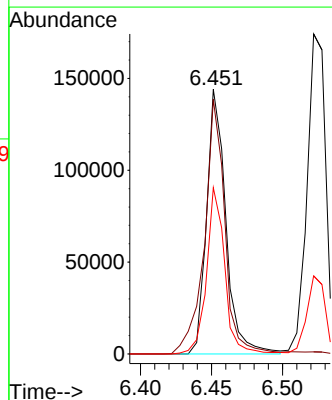
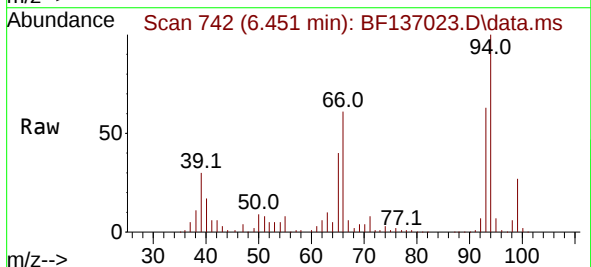
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BNA_F
ClientSampleId :
TP-4MS

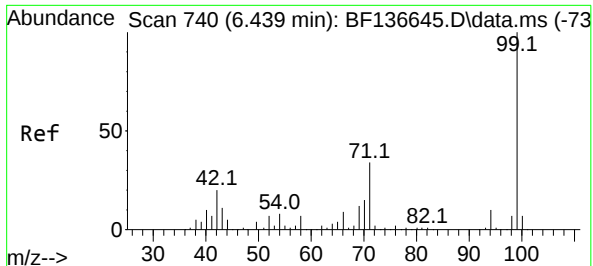
Tgt Ion:112 Resp: 282053
Ion Ratio Lower Upper
112 100
64 57.6 51.1 76.7
63 28.2 26.1 39.1



#6
Aniline
Concen: 31.293 ng
RT: 6.451 min Scan# 742
Delta R.T. -0.012 min
Lab File: BF137023.D
Acq: 10 Jan 2024 16:52

Tgt Ion: 93 Resp: 136259
Ion Ratio Lower Upper
93 100
66 96.2 34.6 51.8#
65 62.8 17.8 26.8#

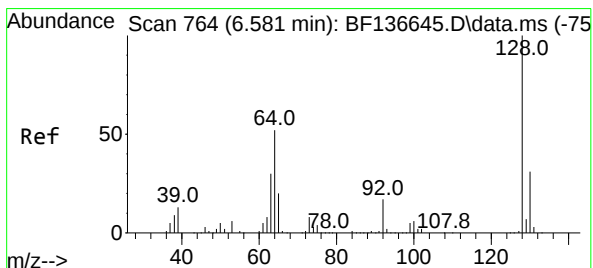
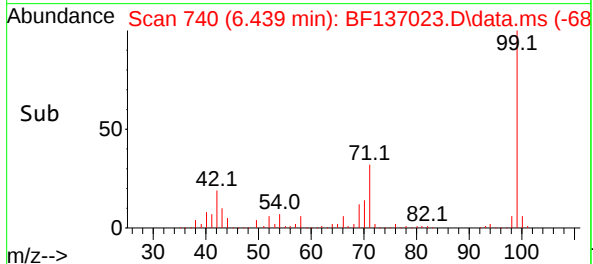
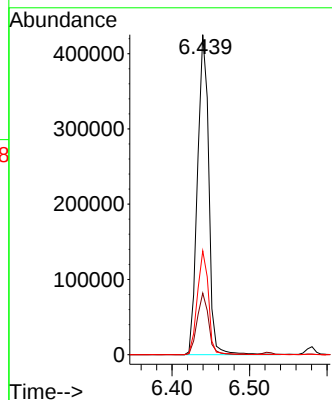
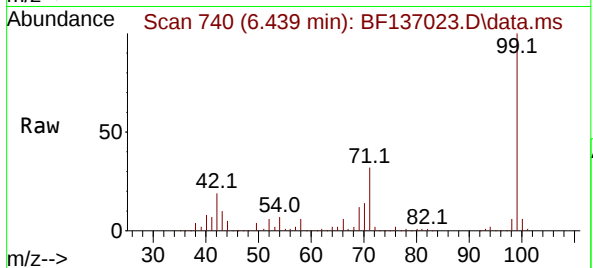




#7
Phenol-d6
Concen: 98.528 ng
RT: 6.439 min Scan# 740
Delta R.T. 0.000 min
Lab File: BF137023.D
Acq: 10 Jan 2024 16:52

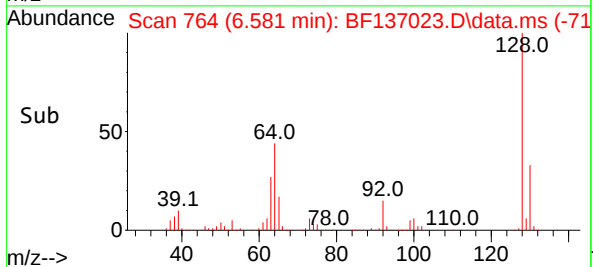
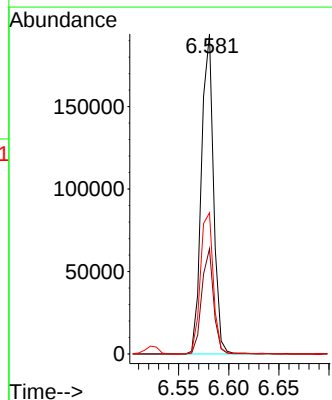
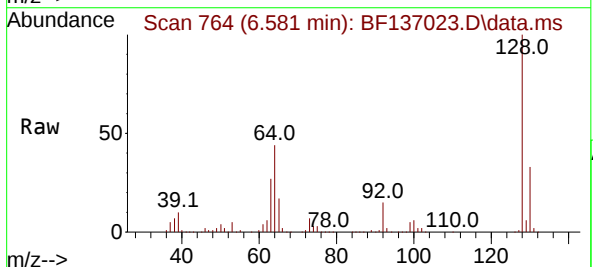
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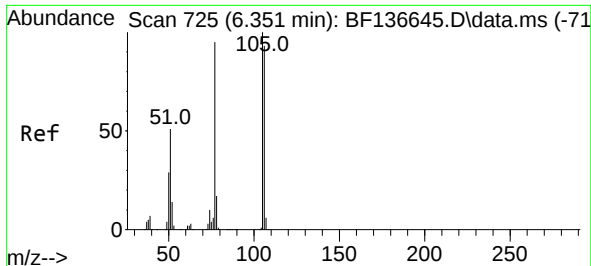
Tgt Ion: 99 Resp: 429110
Ion Ratio Lower Upper
99 100
42 19.2 16.1 24.1
71 32.5 27.4 41.2



#8
2-Chlorophenol
Concen: 44.488 ng
RT: 6.581 min Scan# 764
Delta R.T. 0.000 min
Lab File: BF137023.D
Acq: 10 Jan 2024 16:52

Tgt Ion: 128 Resp: 163635
Ion Ratio Lower Upper
128 100
130 32.9 11.3 51.3
64 44.1 32.5 72.5





#9

Benzaldehyde

Concen: 10.744 ng

RT: 6.340 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF137023.D

Acq: 10 Jan 2024 16:52

Instrument :

BNA_F

ClientSampleId :

TP-4MS

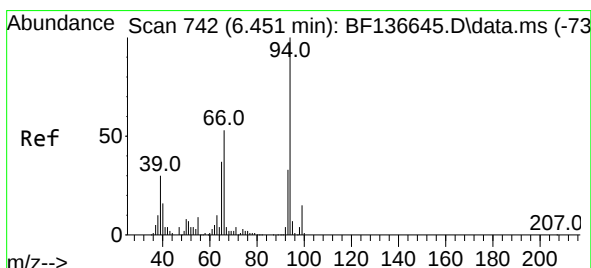
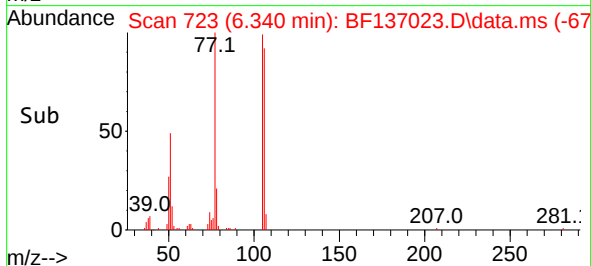
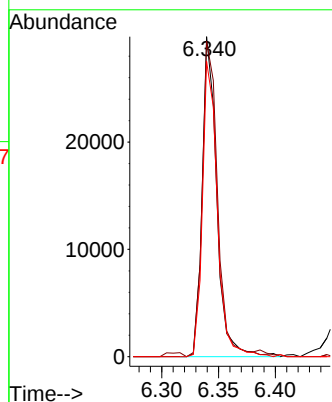
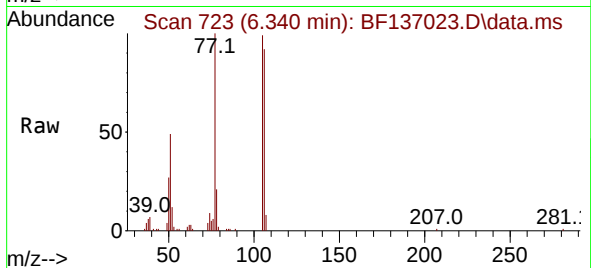
Tgt Ion: 77 Resp: 26616

Ion Ratio Lower Upper

77 100

105 98.6 84.8 124.8

106 92.2 77.8 117.8



#10

Phenol

Concen: 41.729 ng

RT: 6.451 min Scan# 742

Delta R.T. 0.000 min

Lab File: BF137023.D

Acq: 10 Jan 2024 16:52

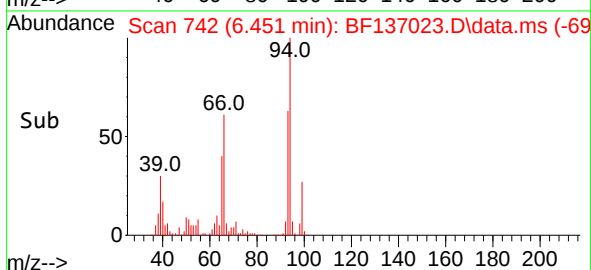
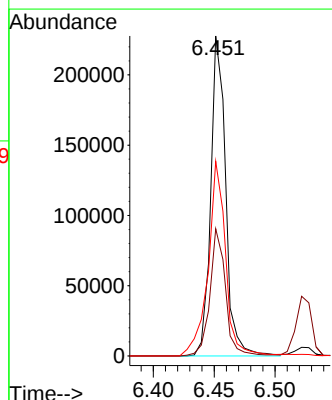
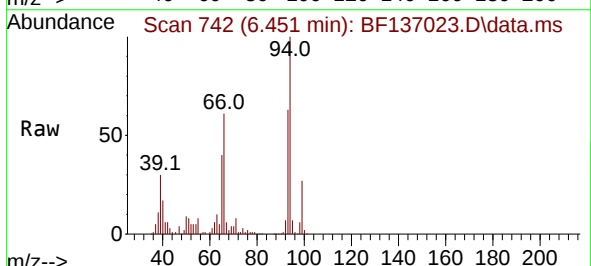
Tgt Ion: 94 Resp: 194004

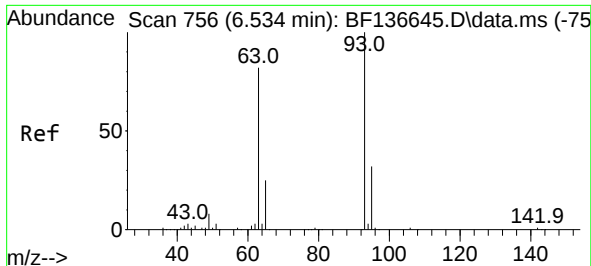
Ion Ratio Lower Upper

94 100

65 39.8 16.6 56.6

66 60.9 32.6 72.6





#11

bis(2-Chloroethyl)ether

Concen: 44.958 ng

RT: 6.522 min Scan# 754

Delta R.T. -0.012 min

Lab File: BF137023.D

Acq: 10 Jan 2024 16:52

Instrument :

BNA_F

ClientSampleId :

TP-4MS

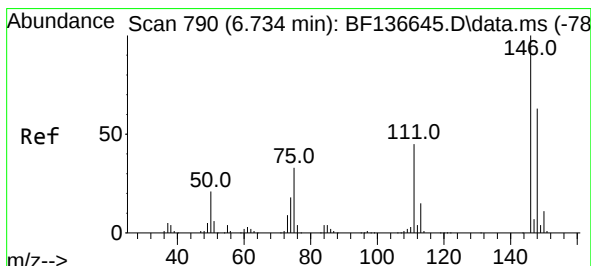
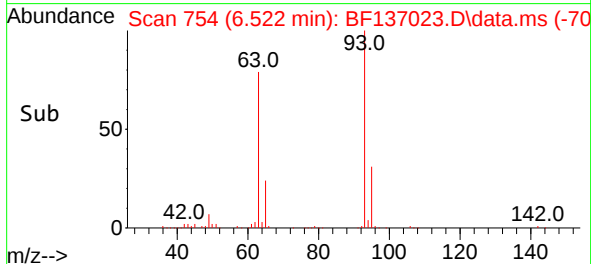
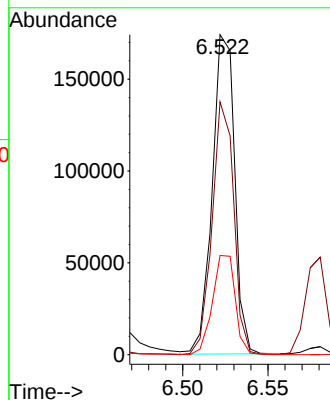
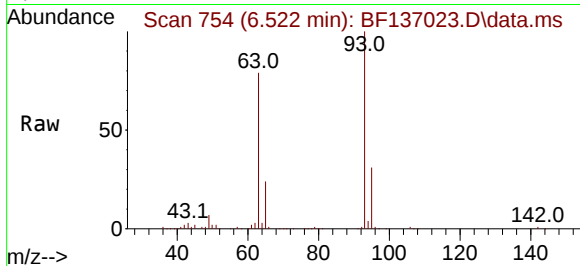
Tgt Ion: 93 Resp: 158956

Ion Ratio Lower Upper

93 100

63 79.0 61.2 101.2

95 31.0 11.6 51.6



#12

1,3-Dichlorobenzene

Concen: 44.347 ng

RT: 6.728 min Scan# 789

Delta R.T. -0.006 min

Lab File: BF137023.D

Acq: 10 Jan 2024 16:52

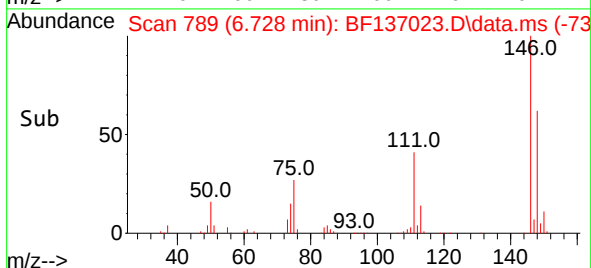
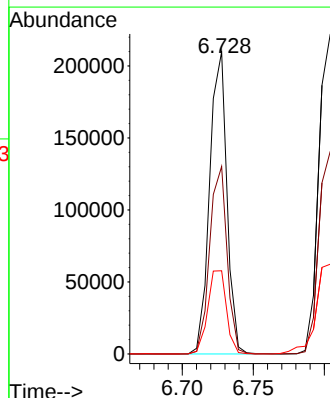
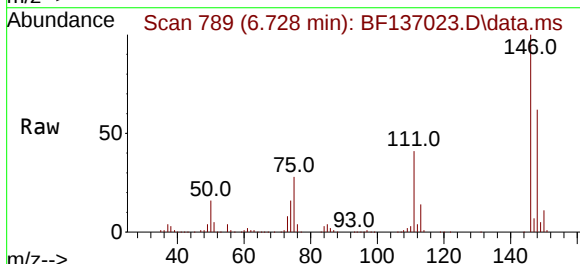
Tgt Ion:146 Resp: 177943

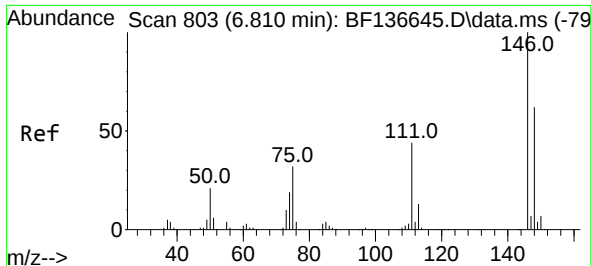
Ion Ratio Lower Upper

146 100

148 62.1 50.5 75.7

75 27.5 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 44.400 ng

RT: 6.804 min Scan# 80

Delta R.T. -0.006 min

Lab File: BF137023.D

Acq: 10 Jan 2024 16:52

Instrument :

BNA_F

ClientSampleId :

TP-4MS

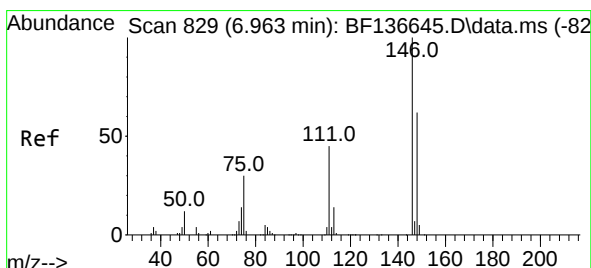
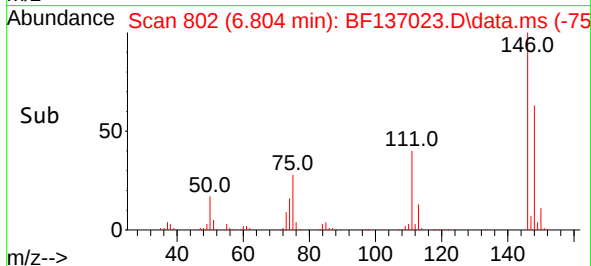
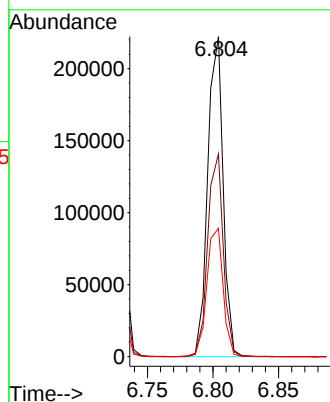
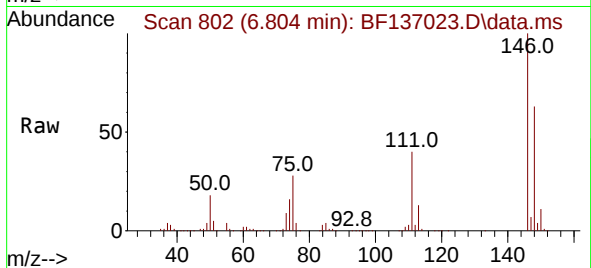
Tgt Ion:146 Resp: 182036

Ion Ratio Lower Upper

146 100

148 63.3 49.2 73.8

111 40.1 35.2 52.8



#14

1,2-Dichlorobenzene

Concen: 45.114 ng

RT: 6.951 min Scan# 827

Delta R.T. -0.012 min

Lab File: BF137023.D

Acq: 10 Jan 2024 16:52

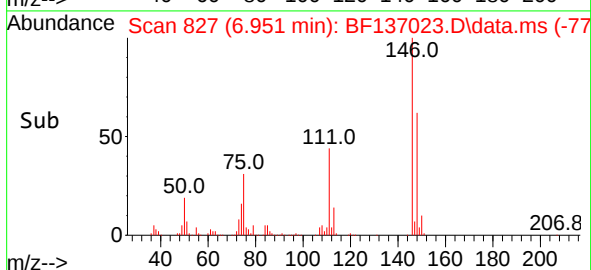
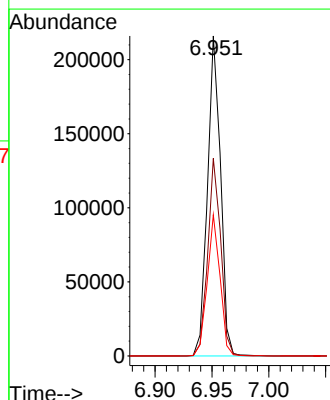
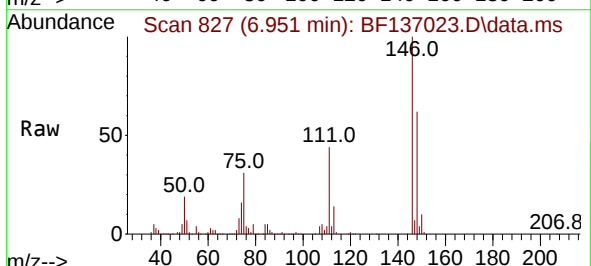
Tgt Ion:146 Resp: 172110

Ion Ratio Lower Upper

146 100

148 61.7 49.6 74.4

111 44.1 36.2 54.2

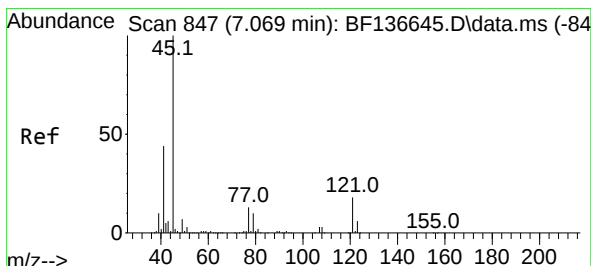
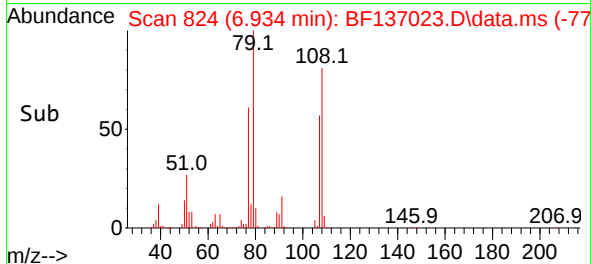
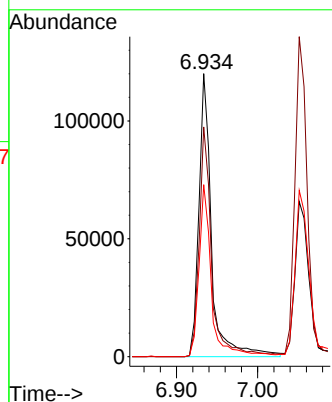
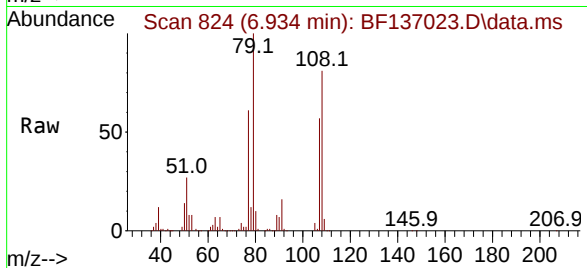




#15
Benzyl Alcohol
Concen: 44.410 ng
RT: 6.934 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF137023.D
Acq: 10 Jan 2024 16:52

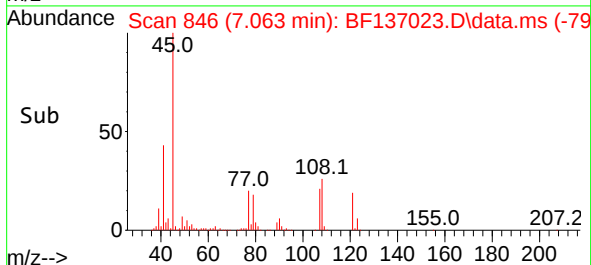
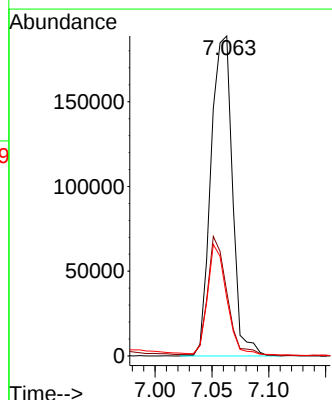
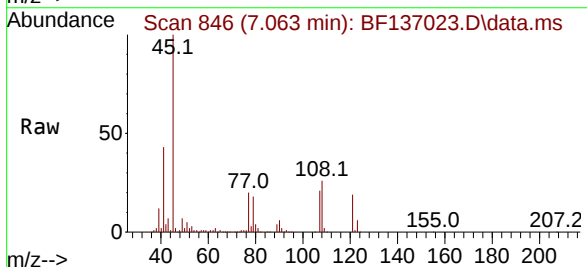
Instrument :
BNA_F
ClientSampleId :
TP-4MS

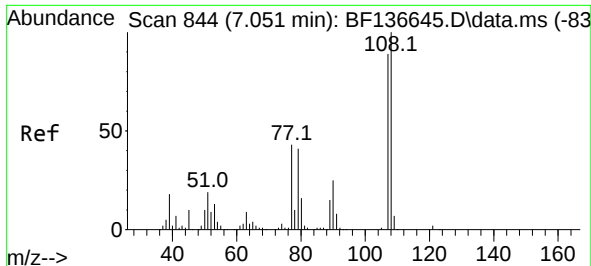
Tgt Ion: 79 Resp: 130485
Ion Ratio Lower Upper
79 100
108 81.2 61.0 91.6
77 60.8 49.8 74.8



#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.912 ng
RT: 7.063 min Scan# 846
Delta R.T. -0.006 min
Lab File: BF137023.D
Acq: 10 Jan 2024 16:52

Tgt Ion: 45 Resp: 248058
Ion Ratio Lower Upper
45 100
77 20.1 0.0 34.3
79 18.1 0.0 31.4

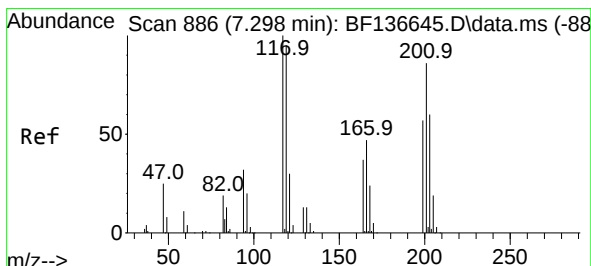
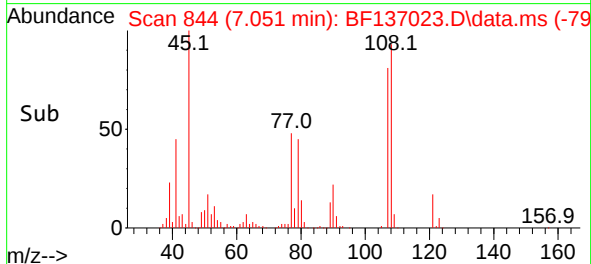
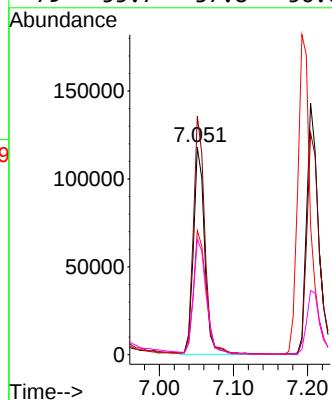
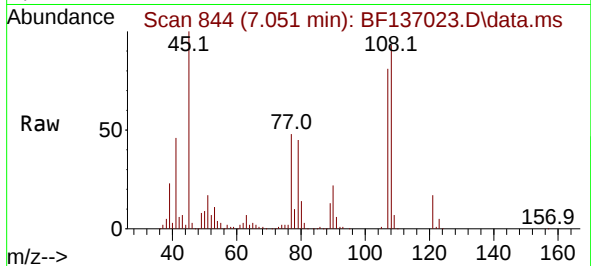




#17
2-Methylphenol
Concen: 40.703 ng
RT: 7.051 min Scan# 844
Delta R.T. 0.000 min
Lab File: BF137023.D
Acq: 10 Jan 2024 16:52

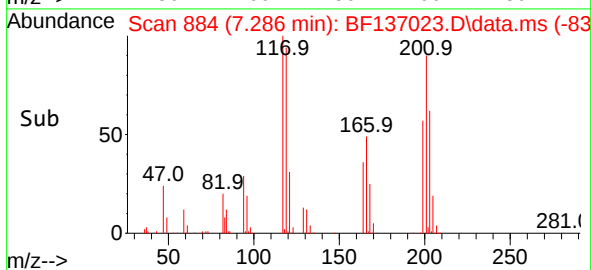
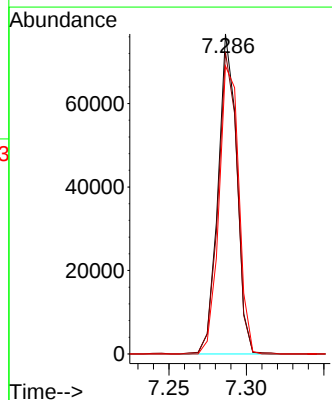
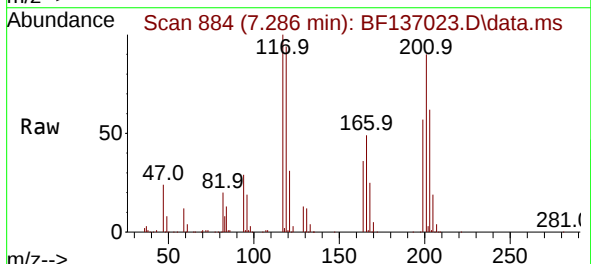
Instrument :
BNA_F
ClientSampleId :
TP-4MS

Tgt Ion:107 Resp: 124028
Ion Ratio Lower Upper
107 100
108 115.0 90.3 135.5
77 59.7 38.7 58.1#
79 55.7 37.8 56.6



#18
Hexachloroethane
Concen: 43.054 ng
RT: 7.286 min Scan# 884
Delta R.T. -0.012 min
Lab File: BF137023.D
Acq: 10 Jan 2024 16:52

Tgt Ion:117 Resp: 64106
Ion Ratio Lower Upper
117 100
119 94.3 75.8 113.6
201 90.0 69.1 103.7

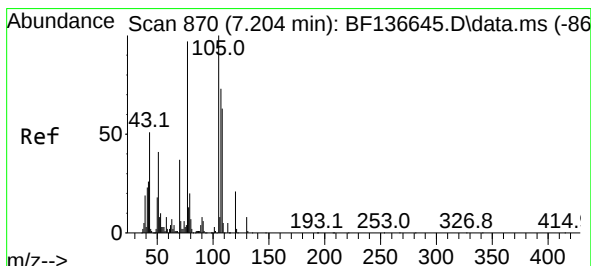
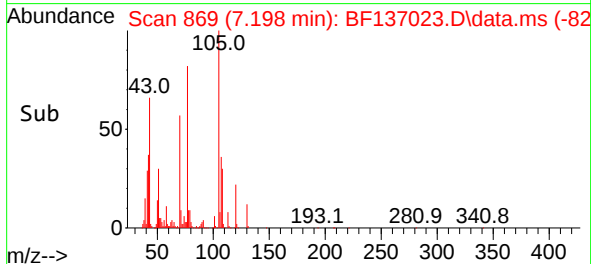
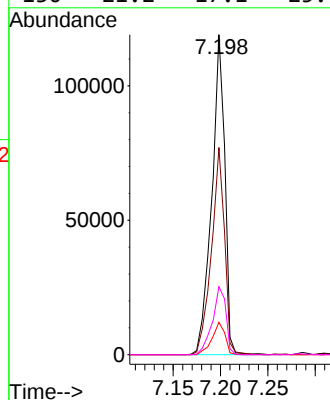
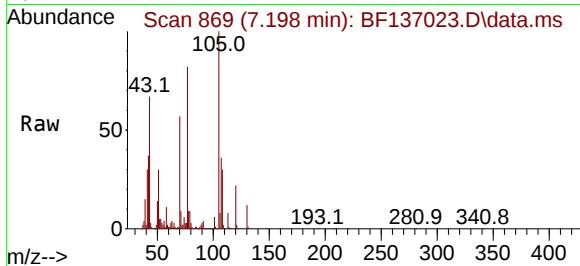




#19
n-Nitroso-di-n-propylamine
Concen: 43.247 ng
RT: 7.198 min Scan# 80
Delta R.T. -0.012 min
Lab File: BF137023.D
Acq: 10 Jan 2024 16:52

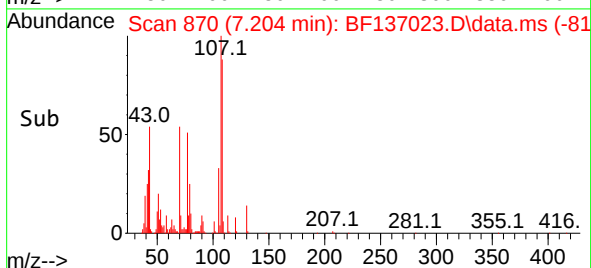
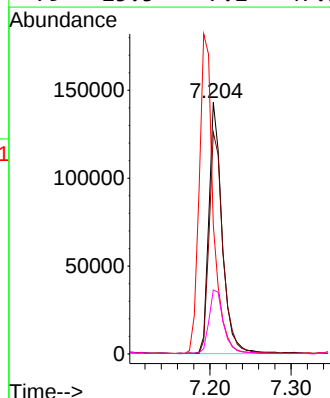
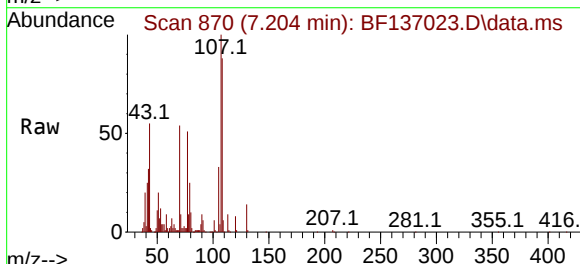
Instrument :
BNA_F
ClientSampleId :
TP-4MS

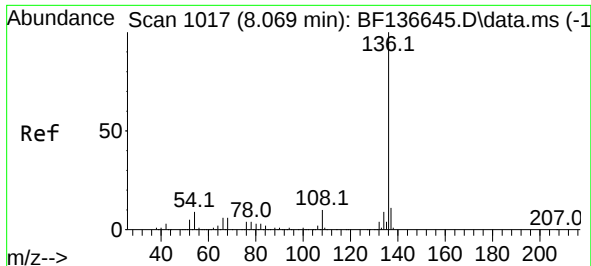
Tgt Ion:	70	Resp:	114176
Ion	Ratio	Lower	Upper
70	100		
42	64.8	54.2	81.4
101	10.1	7.6	11.4
130	21.2	17.1	25.7



#20
3+4-Methylphenols
Concen: 42.328 ng
RT: 7.204 min Scan# 870
Delta R.T. 0.000 min
Lab File: BF137023.D
Acq: 10 Jan 2024 16:52

Tgt Ion:	107	Resp:	161133
Ion	Ratio	Lower	Upper
107	100		
108	88.1	66.0	106.0
77	51.1	114.2	154.2#
79	25.5	7.2	47.2

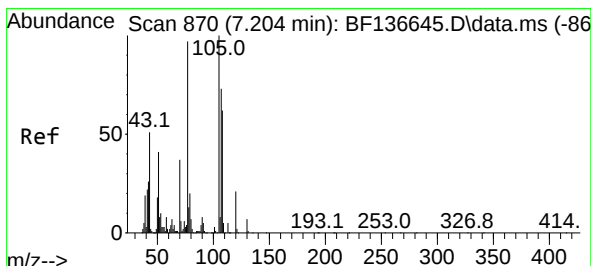
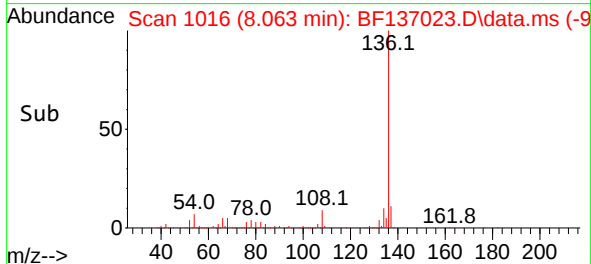
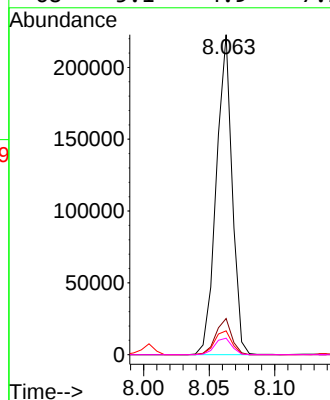
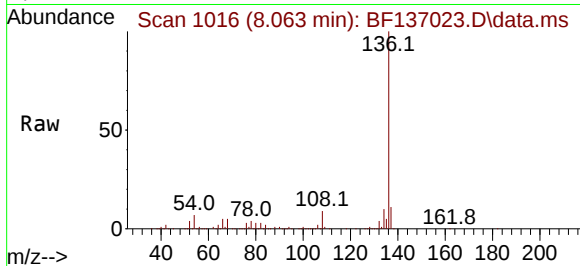




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF137023.D
Acq: 10 Jan 2024 16:52

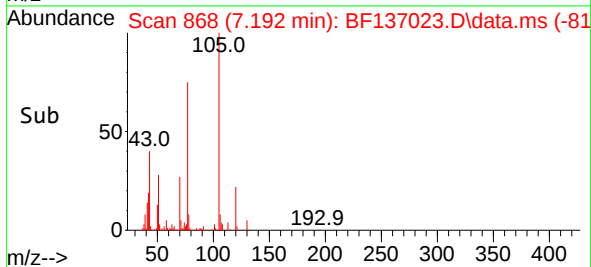
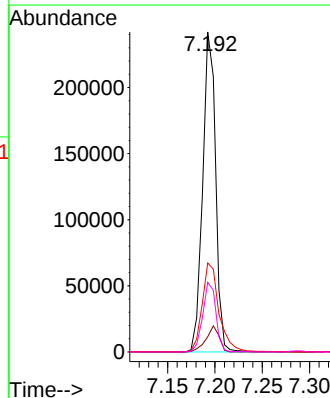
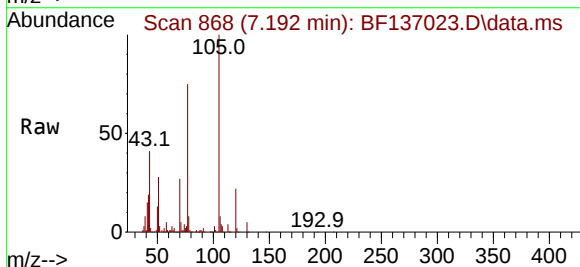
Instrument :
BNA_F
ClientSampleId :
TP-4MS

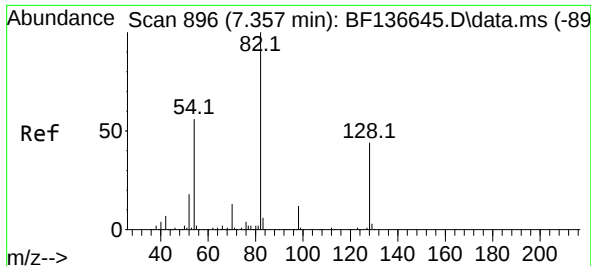
Tgt Ion:136	Resp:	186679
Ion	Ratio	Lower Upper
136	100	
137	11.3	9.0 13.4
54	7.5	7.2 10.8
68	5.1	4.9 7.3



#22
Acetophenone
Concen: 49.226 ng
RT: 7.192 min Scan# 868
Delta R.T. -0.012 min
Lab File: BF137023.D
Acq: 10 Jan 2024 16:52

Tgt Ion:105	Resp:	230334
Ion	Ratio	Lower Upper
105	100	
71	4.7	4.8 7.2#
51	27.8	32.8 49.2#
120	21.8	17.0 25.6





#23

Nitrobenzene-d5

Concen: 75.126 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF137023.D

Acq: 10 Jan 2024 16:52

Instrument :

BNA_F

ClientSampleId :

TP-4MS

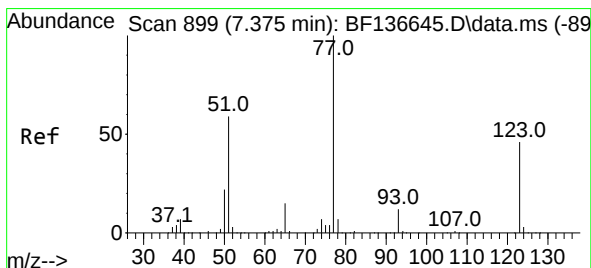
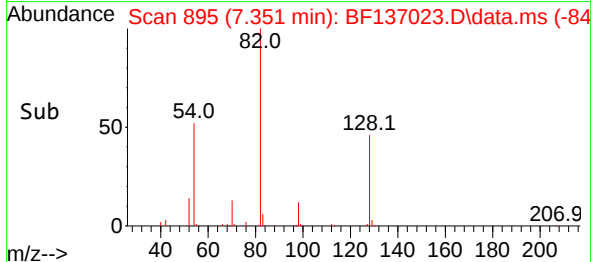
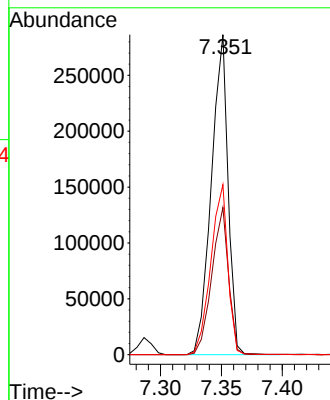
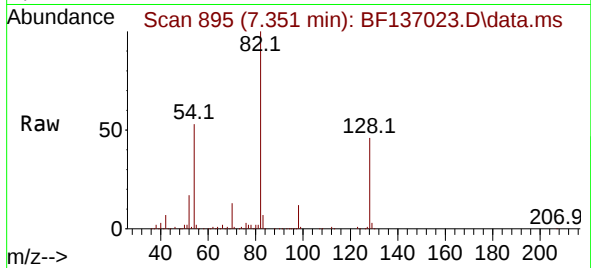
Tgt Ion: 82 Resp: 274070

Ion Ratio Lower Upper

82 100

128 46.0 35.3 52.9

54 53.1 44.5 66.7



#24

Nitrobenzene

Concen: 44.059 ng

RT: 7.369 min Scan# 898

Delta R.T. -0.006 min

Lab File: BF137023.D

Acq: 10 Jan 2024 16:52

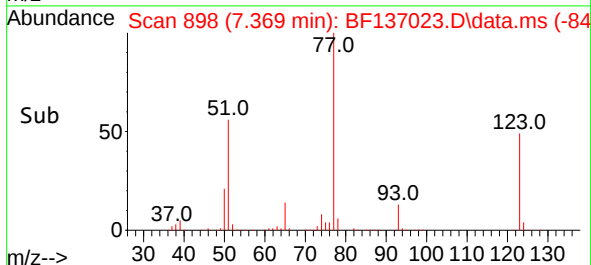
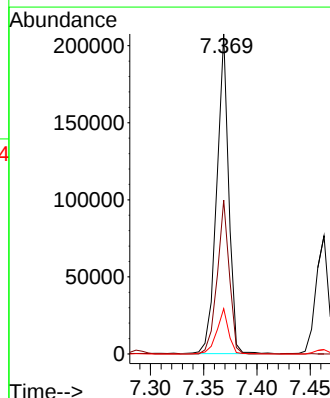
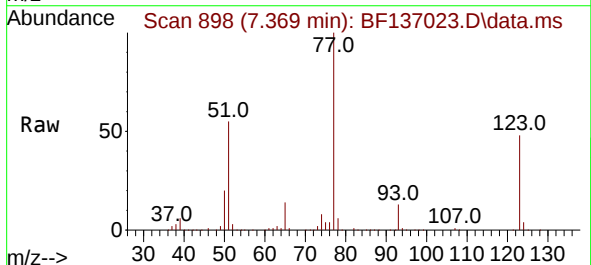
Tgt Ion: 77 Resp: 161011

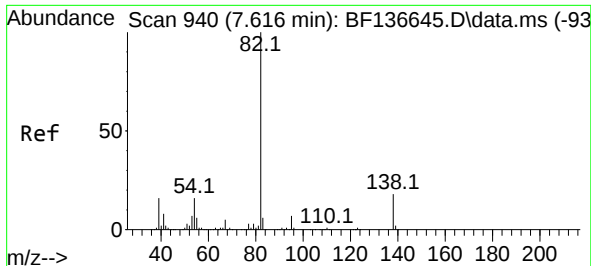
Ion Ratio Lower Upper

77 100

123 48.1 36.7 55.1

65 14.2 11.8 17.6

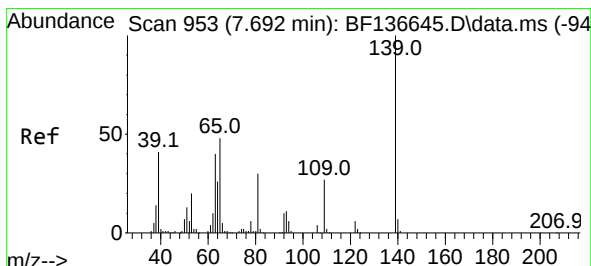
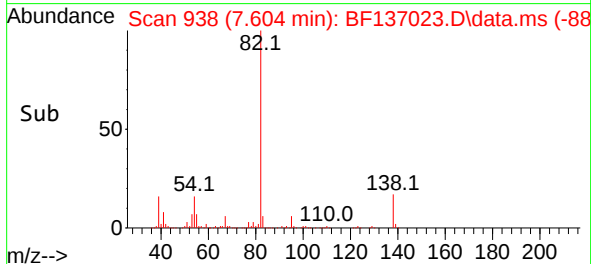
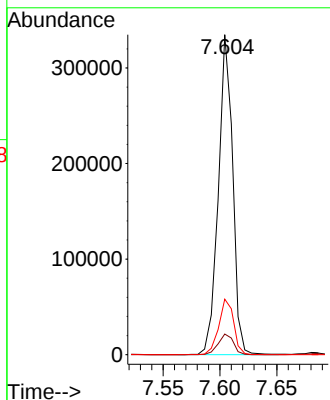
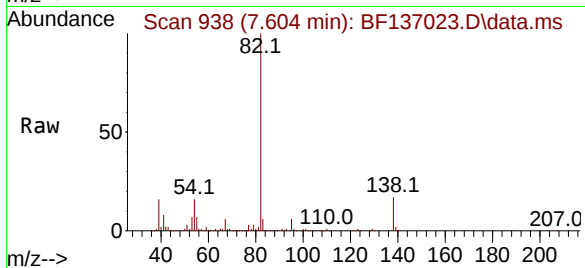




#25
Isophorone
Concen: 44.395 ng
RT: 7.604 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF137023.D
Acq: 10 Jan 2024 16:52

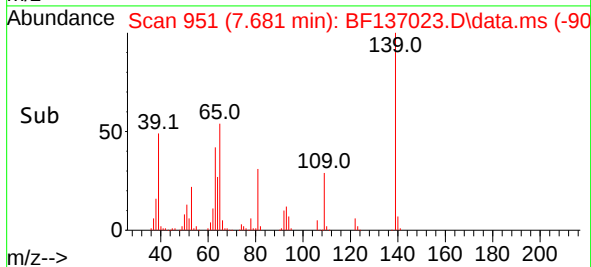
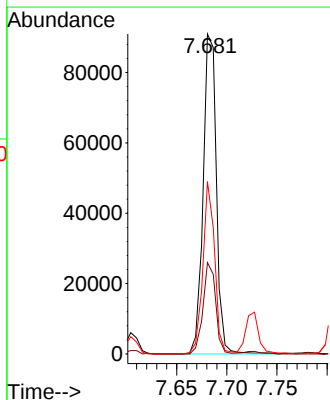
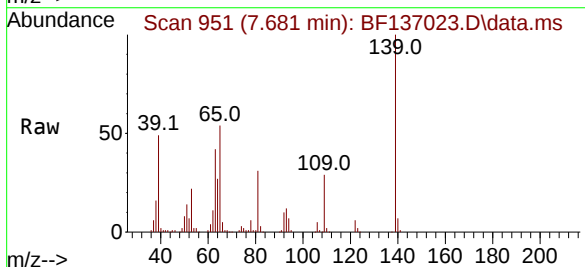
Instrument :
BNA_F
ClientSampleId :
TP-4MS

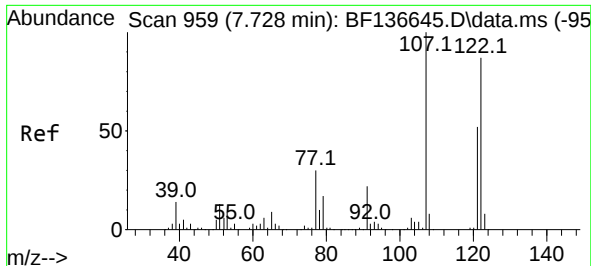
Tgt Ion: 82 Resp: 294702
Ion Ratio Lower Upper
82 100
95 6.5 5.5 8.3
138 17.3 14.5 21.7



#26
2-Nitrophenol
Concen: 48.112 ng
RT: 7.681 min Scan# 951
Delta R.T. -0.012 min
Lab File: BF137023.D
Acq: 10 Jan 2024 16:52

Tgt Ion: 139 Resp: 84122
Ion Ratio Lower Upper
139 100
109 28.5 21.9 32.9
65 53.9 38.6 58.0

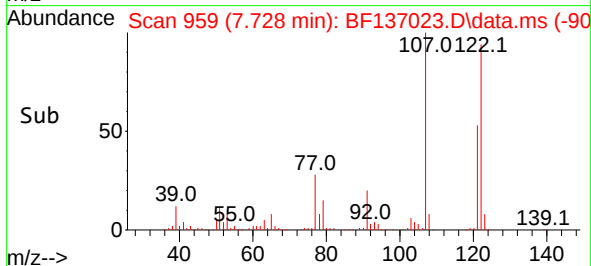
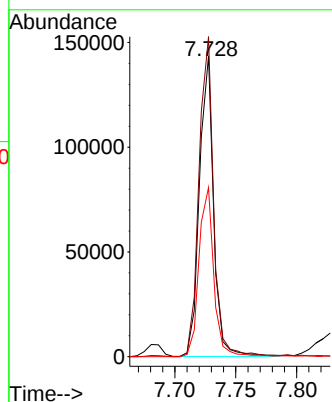
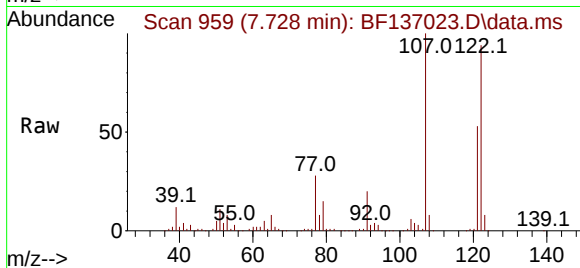




#27
2,4-Dimethylphenol
Concen: 54.552 ng
RT: 7.728 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF137023.D
Acq: 10 Jan 2024 16:52

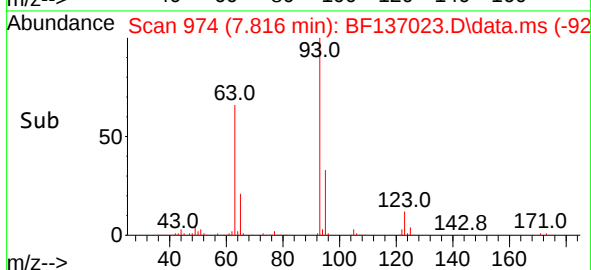
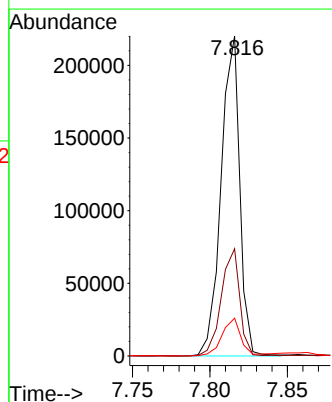
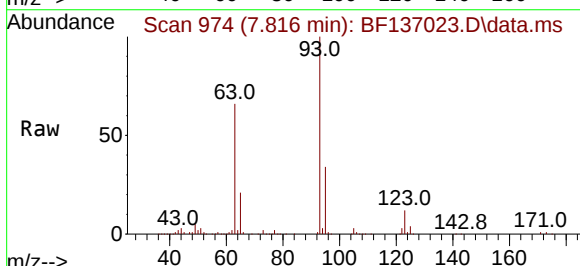
Instrument :
BNA_F
ClientSampleId :
TP-4MS

Tgt Ion:122 Resp: 116121
Ion Ratio Lower Upper
122 100
107 106.4 92.0 138.0
121 56.2 47.5 71.3



#28
bis(2-Chloroethoxy)methane
Concen: 45.665 ng
RT: 7.816 min Scan# 974
Delta R.T. -0.006 min
Lab File: BF137023.D
Acq: 10 Jan 2024 16:52

Tgt Ion: 93 Resp: 184260
Ion Ratio Lower Upper
93 100
95 33.5 25.5 38.3
123 11.8 9.2 13.8

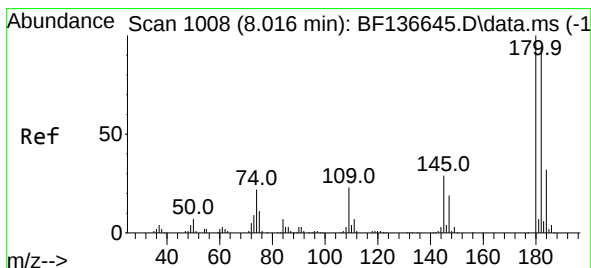
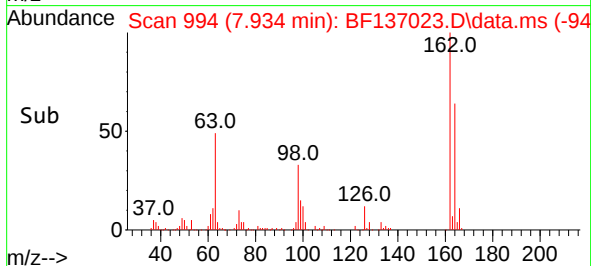
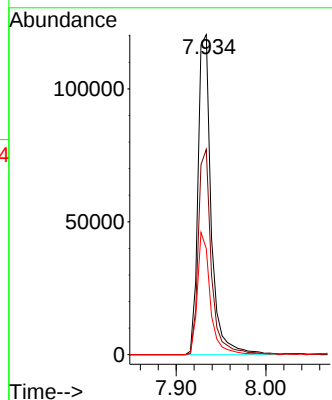
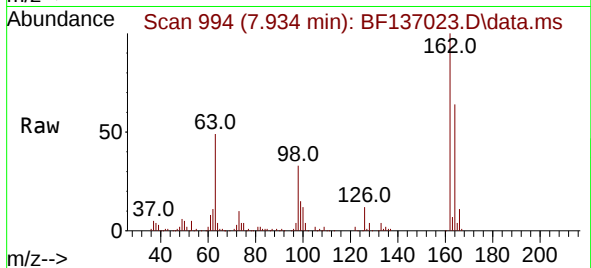




#29
2,4-Dichlorophenol
Concen: 45.104 ng
RT: 7.934 min Scan# 994
Delta R.T. 0.000 min
Lab File: BF137023.D
Acq: 10 Jan 2024 16:52

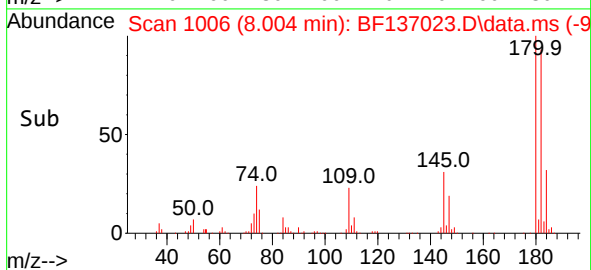
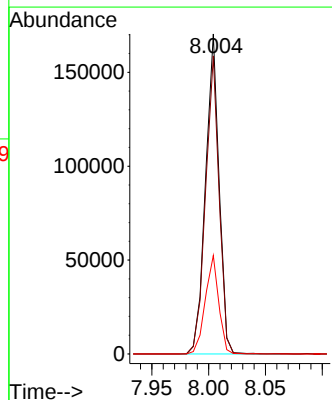
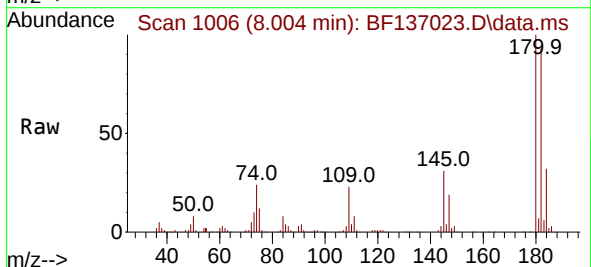
Instrument :
BNA_F
ClientSampleId :
TP-4MS

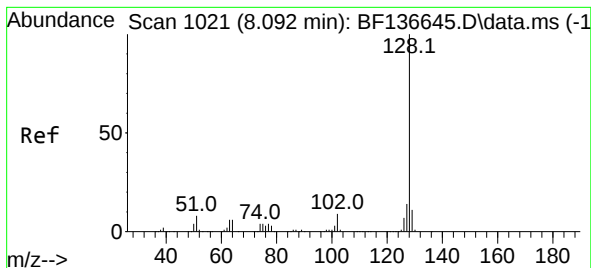
Tgt Ion:162 Resp: 123607
Ion Ratio Lower Upper
162 100
164 64.2 41.7 81.7
98 33.1 19.5 59.5



#30
1,2,4-Trichlorobenzene
Concen: 46.196 ng
RT: 8.004 min Scan# 1006
Delta R.T. -0.012 min
Lab File: BF137023.D
Acq: 10 Jan 2024 16:52

Tgt Ion:180 Resp: 141055
Ion Ratio Lower Upper
180 100
182 93.2 75.4 113.0
145 30.7 23.1 34.7





#31

Naphthalene

Concen: 44.934 ng

RT: 8.086 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF137023.D

Acq: 10 Jan 2024 16:52

Instrument :

BNA_F

ClientSampleId :

TP-4MS

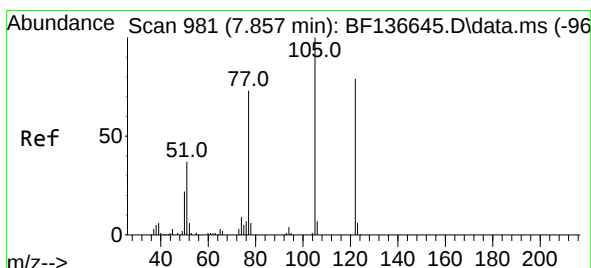
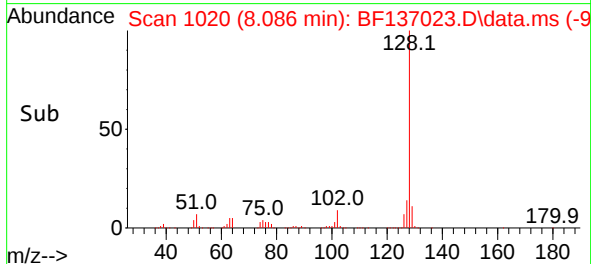
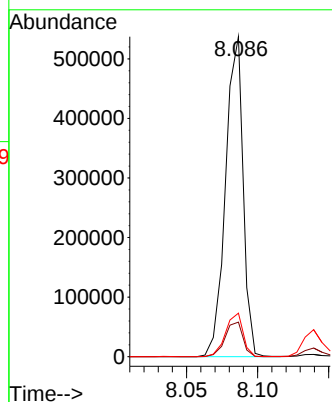
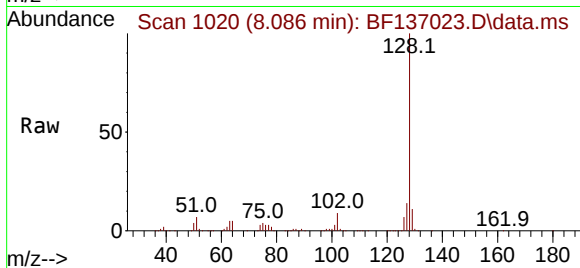
Tgt Ion:128 Resp: 460823

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

127 13.6 10.8 16.2



#32

Benzoic acid

Concen: 35.983 ng

RT: 7.863 min Scan# 982

Delta R.T. 0.006 min

Lab File: BF137023.D

Acq: 10 Jan 2024 16:52

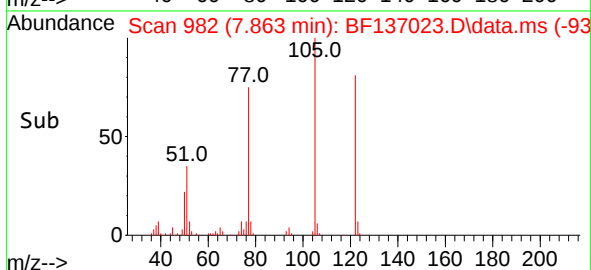
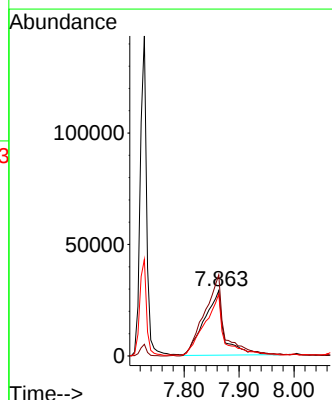
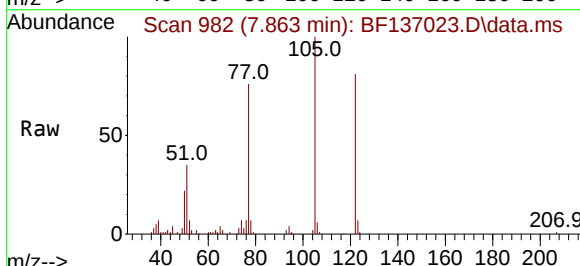
Tgt Ion:122 Resp: 74112

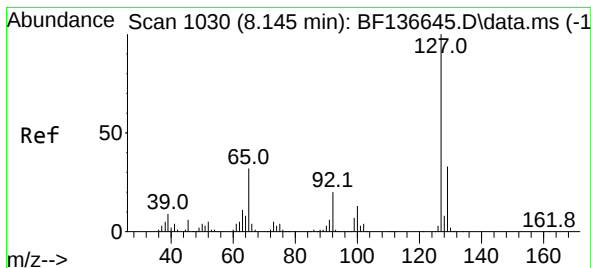
Ion Ratio Lower Upper

122 100

105 124.2 100.8 140.8

77 94.8 70.9 110.9





#33

4-Chloroaniline

Concen: 13.740 ng

RT: 8.139 min Scan# 1029

Delta R.T. -0.006 min

Lab File: BF137023.D

Acq: 10 Jan 2024 16:52

Instrument :

BNA_F

ClientSampleId :

TP-4MS

Tgt Ion:127 Resp: 52027

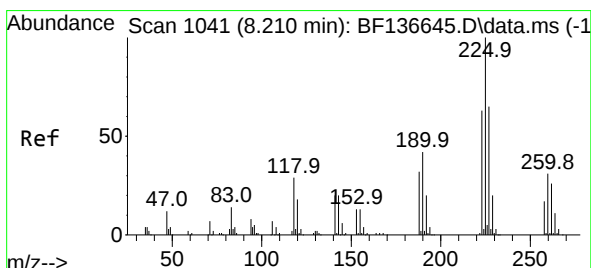
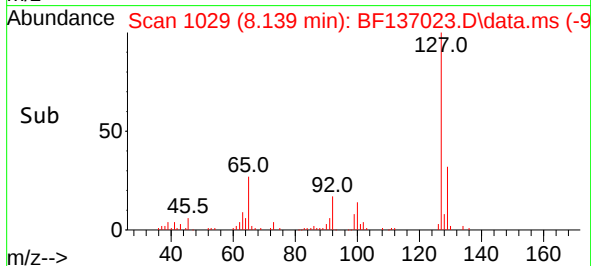
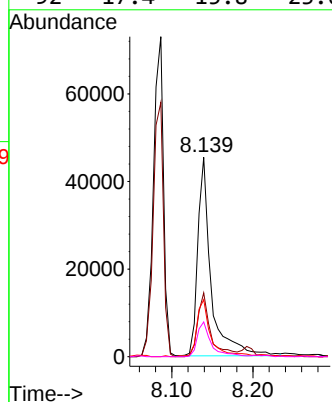
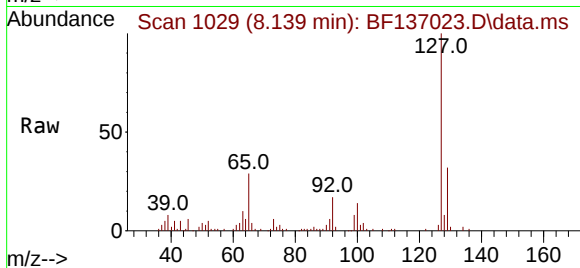
Ion Ratio Lower Upper

127 100

129 32.0 26.3 39.5

65 28.5 25.8 38.8

92 17.4 15.8 23.6



#34

Hexachlorobutadiene

Concen: 46.408 ng

RT: 8.192 min Scan# 1038

Delta R.T. -0.018 min

Lab File: BF137023.D

Acq: 10 Jan 2024 16:52

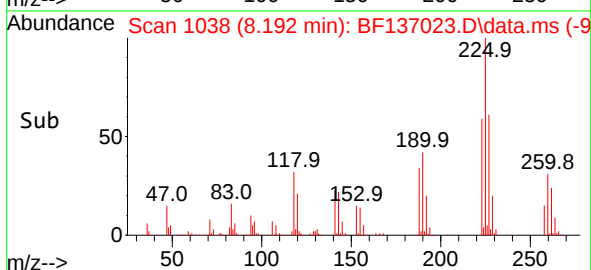
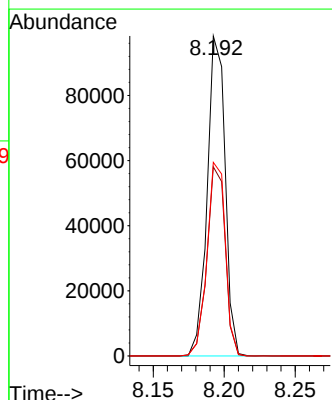
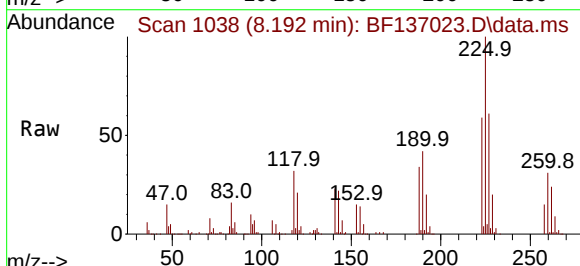
Tgt Ion:225 Resp: 86093

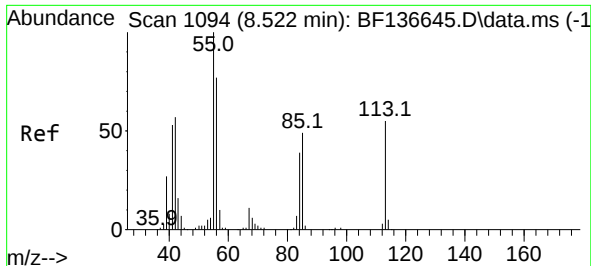
Ion Ratio Lower Upper

225 100

223 59.1 50.6 76.0

227 60.5 51.9 77.9

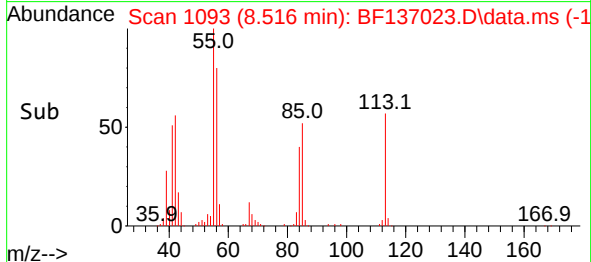
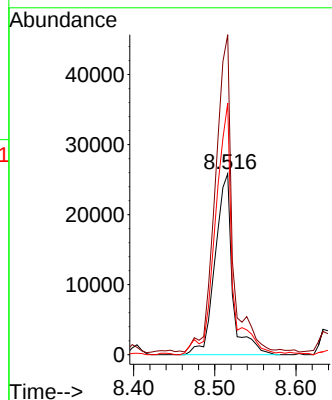
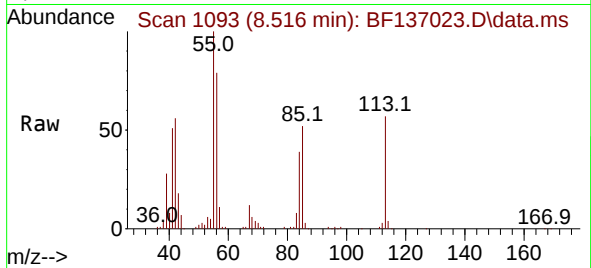




#35
 Caprolactam
 Concen: 42.603 ng
 RT: 8.516 min Scan# 1093
 Delta R.T. -0.006 min
 Lab File: BF137023.D
 Acq: 10 Jan 2024 16:52

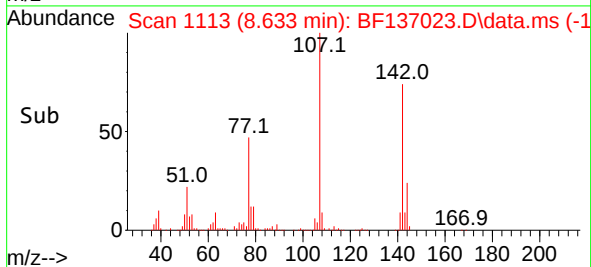
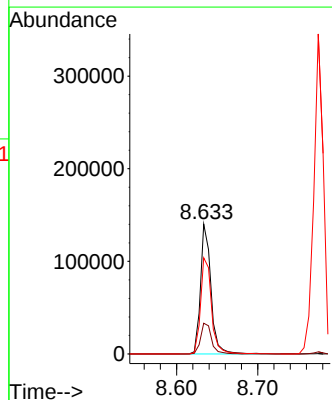
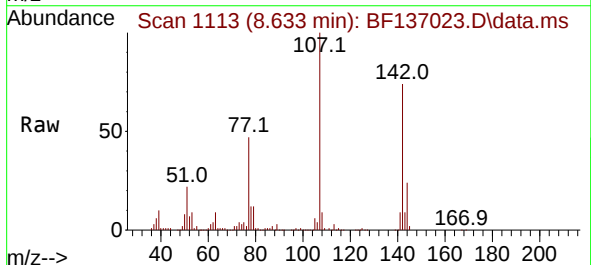
Instrument :
 BNA_F
 ClientSampleId :
 TP-4MS

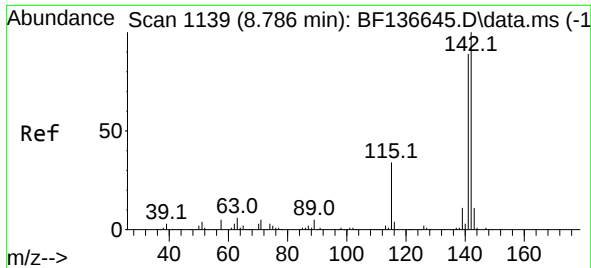
Tgt Ion:113 Resp: 38516
 Ion Ratio Lower Upper
 113 100
 55 176.8 163.1 203.1
 56 139.0 121.7 161.7



#36
 4-Chloro-3-methylphenol
 Concen: 40.829 ng
 RT: 8.633 min Scan# 1113
 Delta R.T. 0.000 min
 Lab File: BF137023.D
 Acq: 10 Jan 2024 16:52

Tgt Ion:107 Resp: 125963
 Ion Ratio Lower Upper
 107 100
 144 23.7 20.2 30.2
 142 74.1 62.3 93.5





#37

2-Methylnaphthalene

Concen: 42.874 ng

RT: 8.775 min Scan# 1137

Delta R.T. -0.012 min

Lab File: BF137023.D

Acq: 10 Jan 2024 16:52

Instrument :

BNA_F

ClientSampleId :

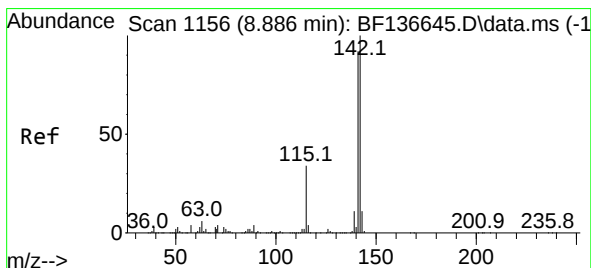
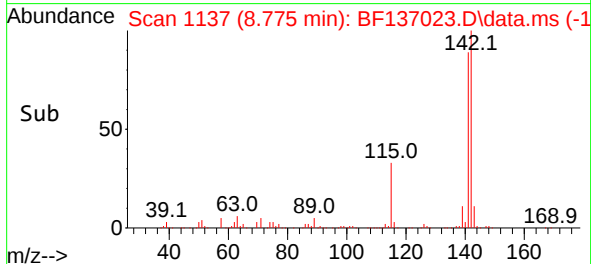
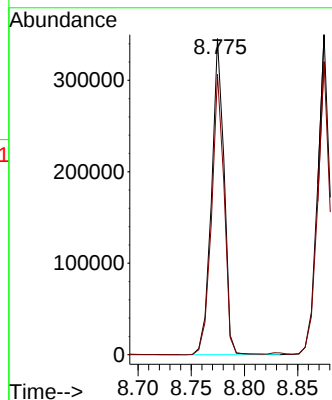
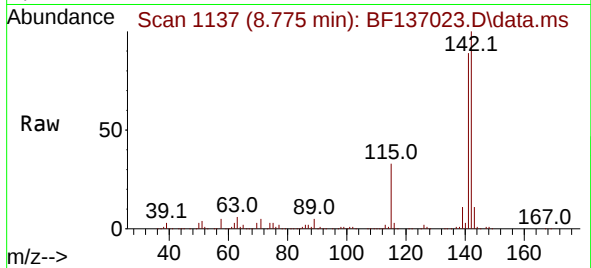
TP-4MS

Tgt Ion:142 Resp: 282980

Ion Ratio Lower Upper

142 100

141 88.7 71.1 106.7



#38

1-Methylnaphthalene

Concen: 42.691 ng

RT: 8.875 min Scan# 1154

Delta R.T. -0.012 min

Lab File: BF137023.D

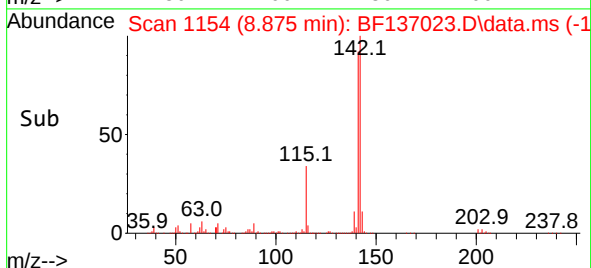
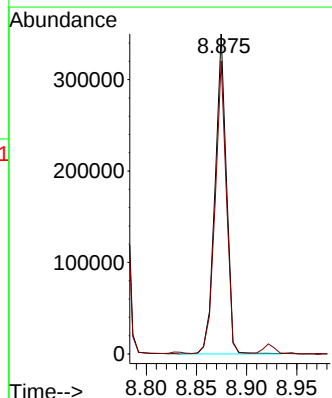
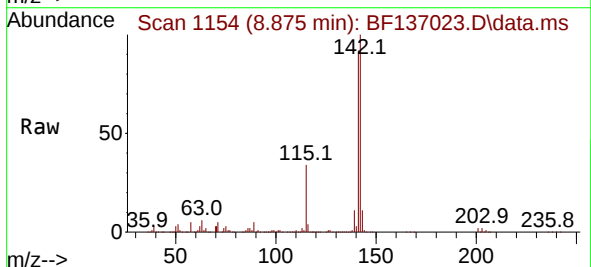
Acq: 10 Jan 2024 16:52

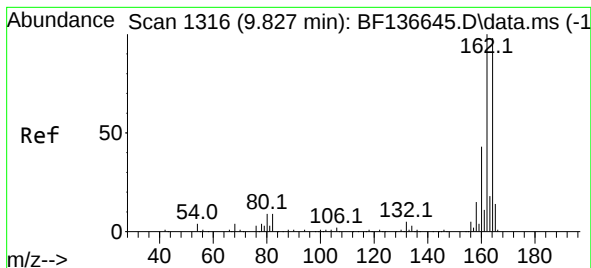
Tgt Ion:142 Resp: 276438

Ion Ratio Lower Upper

142 100

141 91.6 73.6 110.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.822 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF137023.D

Acq: 10 Jan 2024 16:52

Instrument :

BNA_F

ClientSampleId :

TP-4MS

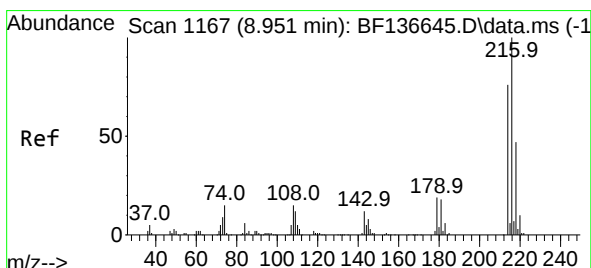
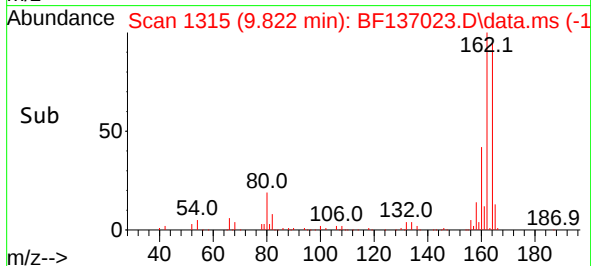
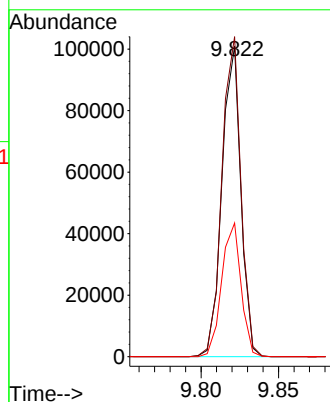
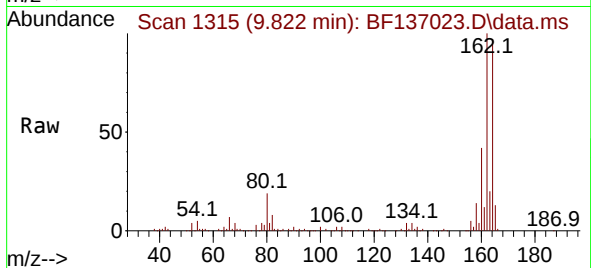
Tgt Ion:164 Resp: 85304

Ion Ratio Lower Upper

164 100

162 103.0 81.6 122.4

160 43.0 34.9 52.3



#40

1,2,4,5-Tetrachlorobenzene

Concen: 52.286 ng

RT: 8.945 min Scan# 1166

Delta R.T. -0.006 min

Lab File: BF137023.D

Acq: 10 Jan 2024 16:52

Tgt Ion:216 Resp: 138129

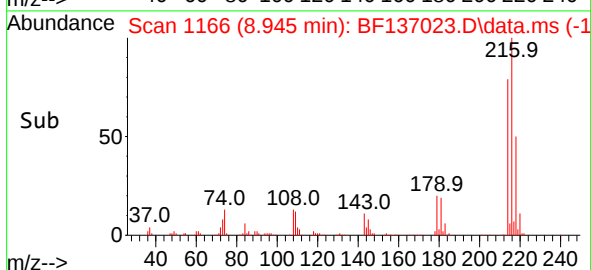
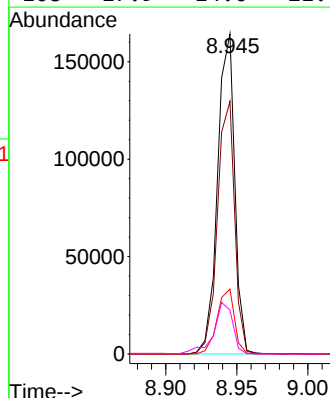
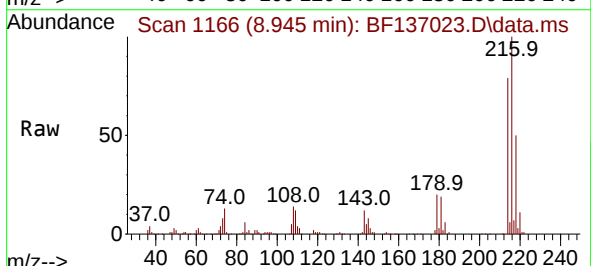
Ion Ratio Lower Upper

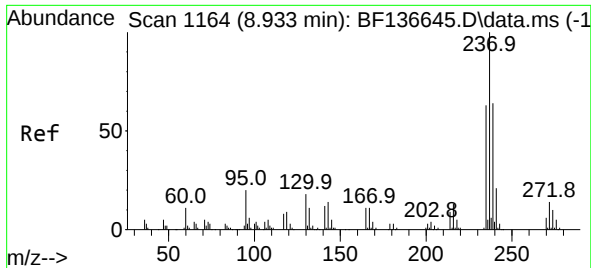
216 100

214 79.2 62.3 93.5

179 20.3 16.4 24.6

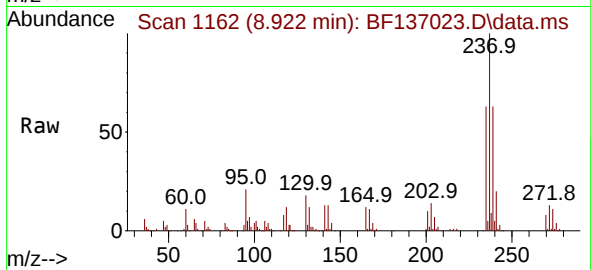
108 17.9 14.0 21.0



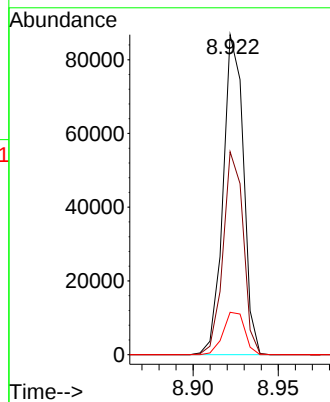
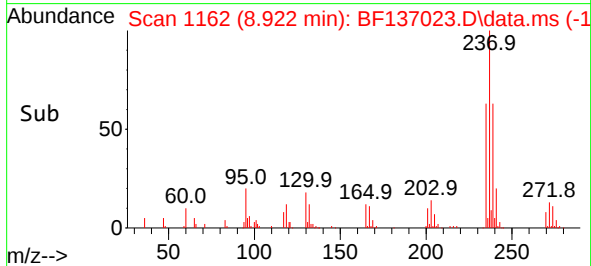


#41
Hexachlorocyclopentadiene
Concen: 85.235 ng
RT: 8.922 min Scan# 1162
Delta R.T. -0.012 min
Lab File: BF137023.D
Acq: 10 Jan 2024 16:52

Instrument :
BNA_F
ClientSampleId :
TP-4MS

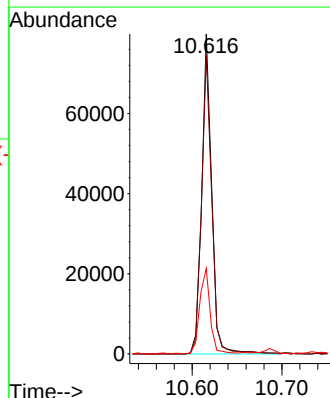
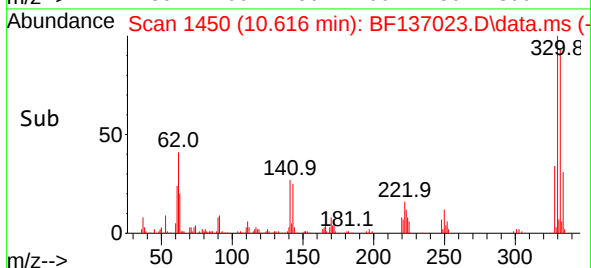
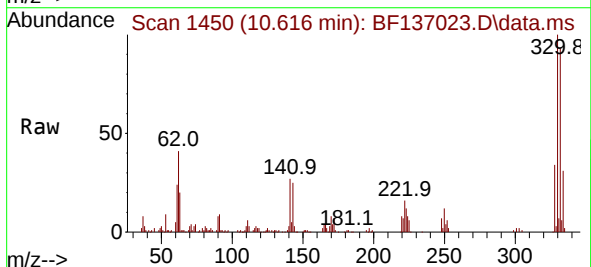


Tgt Ion:237 Resp: 72084
Ion Ratio Lower Upper
237 100
235 63.4 43.2 83.2
272 13.2 0.0 34.2



#42
2,4,6-Tribromophenol
Concen: 61.254 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF137023.D
Acq: 10 Jan 2024 16:52

Tgt Ion:330 Resp: 61539
Ion Ratio Lower Upper
330 100
332 95.5 77.4 116.0
141 28.1 23.4 35.2

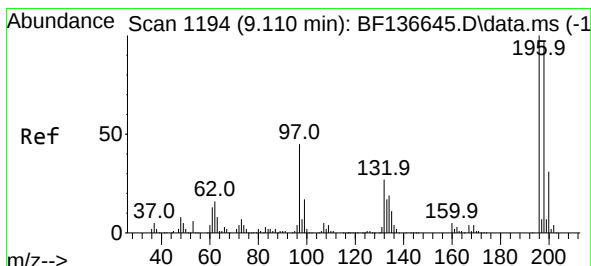
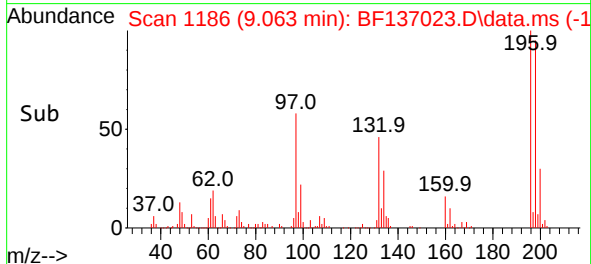
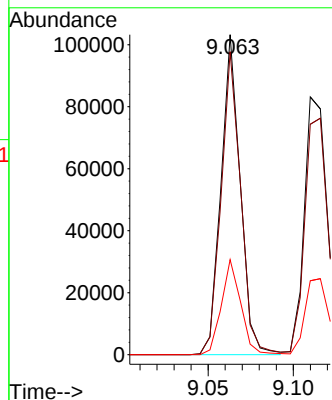
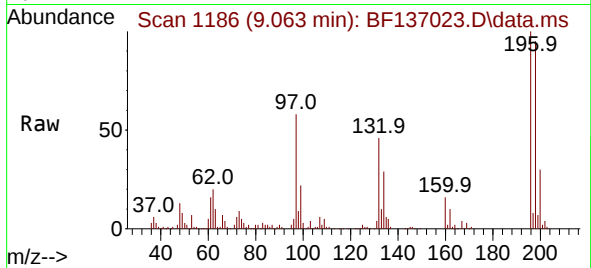




#43
2,4,6-Trichlorophenol
Concen: 47.985 ng
RT: 9.063 min Scan# 1186
Delta R.T. 0.000 min
Lab File: BF137023.D
Acq: 10 Jan 2024 16:52

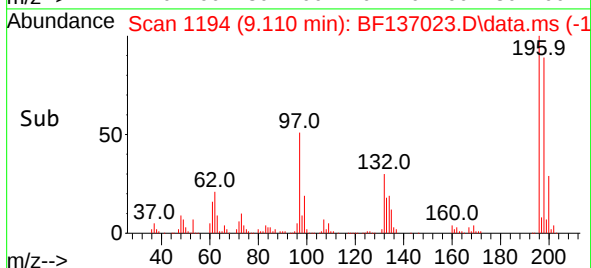
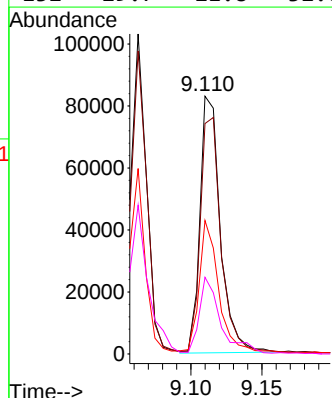
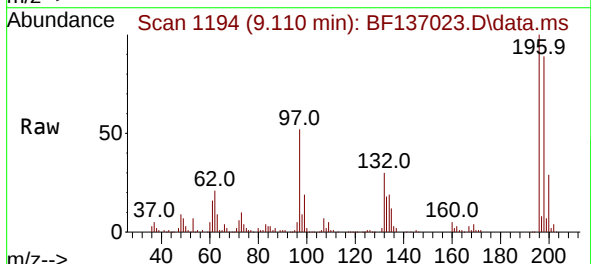
Instrument :
BNA_F
ClientSampleId :
TP-4MS

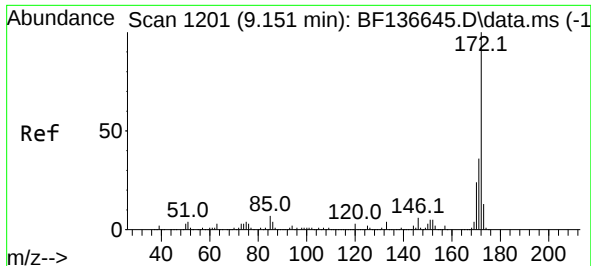
Tgt Ion:196 Resp: 81298
Ion Ratio Lower Upper
196 100
198 94.7 75.1 112.7
200 29.7 22.5 33.7



#44
2,4,5-Trichlorophenol
Concen: 43.892 ng
RT: 9.110 min Scan# 1194
Delta R.T. 0.000 min
Lab File: BF137023.D
Acq: 10 Jan 2024 16:52

Tgt Ion:196 Resp: 82869
Ion Ratio Lower Upper
196 100
198 89.4 77.0 115.6
97 51.8 36.1 54.1
132 29.7 21.8 32.6





#45

2-Fluorobiphenyl

Concen: 80.972 ng

RT: 9.139 min Scan# 1199

Delta R.T. -0.012 min

Lab File: BF137023.D

Acq: 10 Jan 2024 16:52

Instrument :

BNA_F

ClientSampleId :

TP-4MS

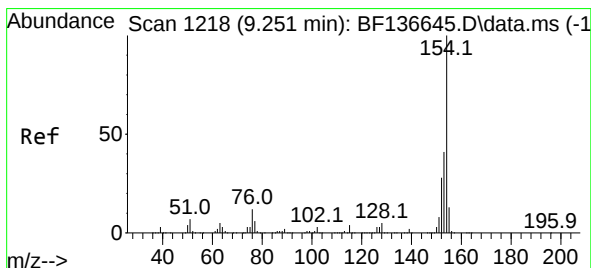
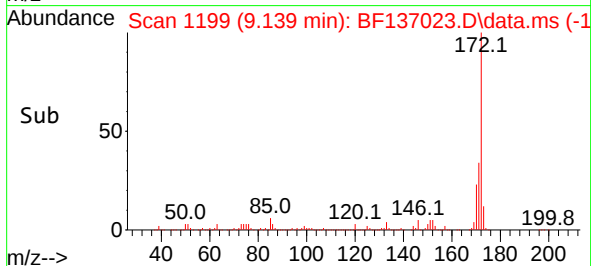
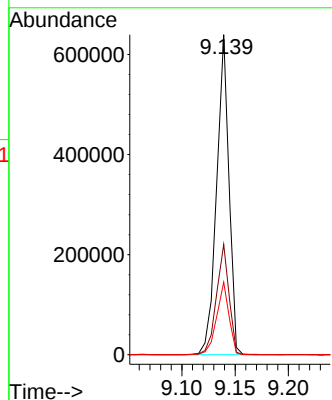
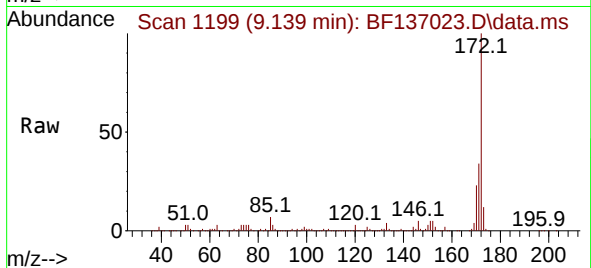
Tgt Ion:172 Resp: 513552

Ion Ratio Lower Upper

172 100

171 34.5 29.0 43.6

170 22.6 19.0 28.4



#46

1,1'-Biphenyl

Concen: 50.827 ng

RT: 9.239 min Scan# 1216

Delta R.T. -0.012 min

Lab File: BF137023.D

Acq: 10 Jan 2024 16:52

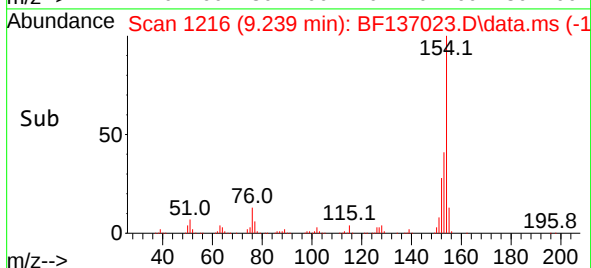
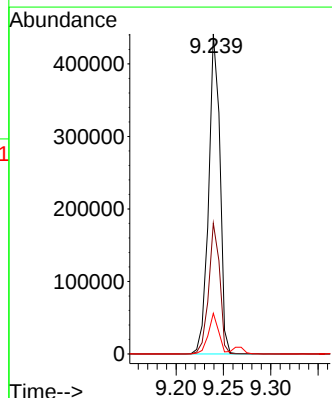
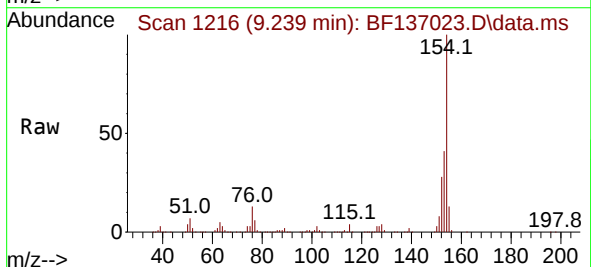
Tgt Ion:154 Resp: 363832

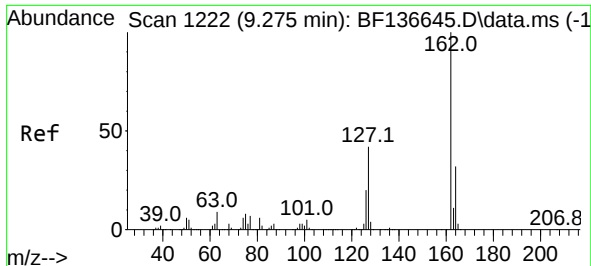
Ion Ratio Lower Upper

154 100

153 40.8 21.1 61.1

76 12.7 0.0 31.7





#47

2-Chloronaphthalene

Concen: 48.387 ng

RT: 9.269 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF137023.D

Acq: 10 Jan 2024 16:52

Instrument :

BNA_F

ClientSampleId :

TP-4MS

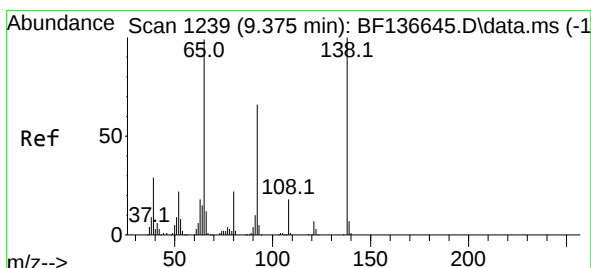
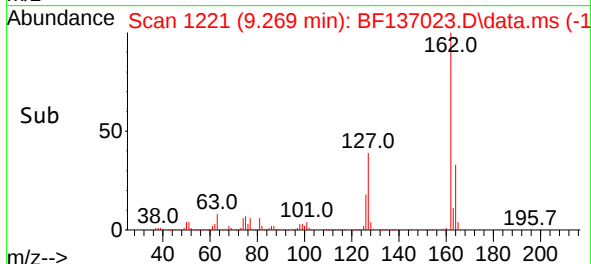
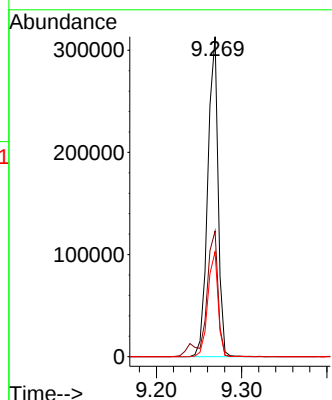
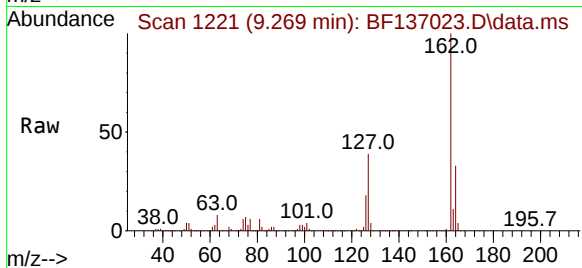
Tgt Ion:162 Resp: 263315

Ion Ratio Lower Upper

162 100

127 39.3 33.6 50.4

164 32.8 25.7 38.5



#48

2-Nitroaniline

Concen: 45.352 ng

RT: 9.369 min Scan# 1238

Delta R.T. -0.006 min

Lab File: BF137023.D

Acq: 10 Jan 2024 16:52

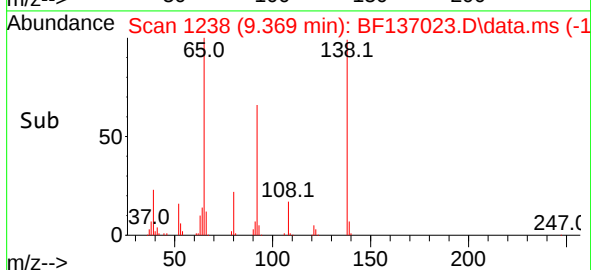
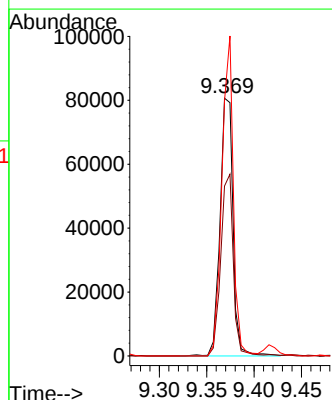
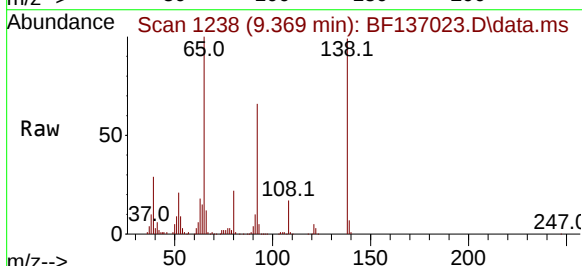
Tgt Ion: 65 Resp: 77284

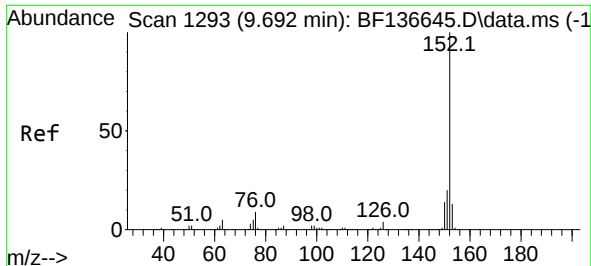
Ion Ratio Lower Upper

65 100

92 65.9 53.2 79.8

138 98.9 81.1 121.7





#49

Acenaphthylene

Concen: 50.873 ng

RT: 9.680 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF137023.D

Acq: 10 Jan 2024 16:52

Instrument :

BNA_F

ClientSampleId :

TP-4MS

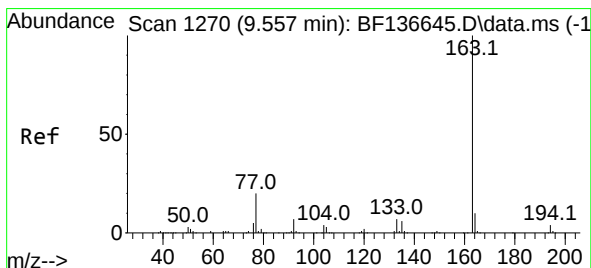
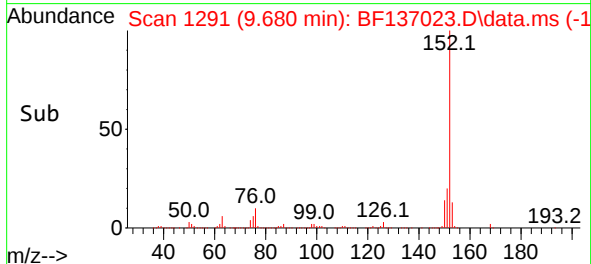
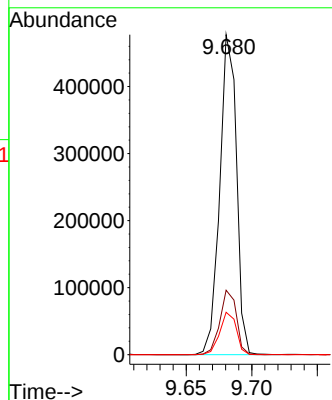
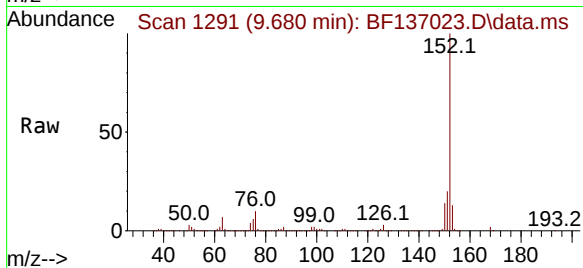
Tgt Ion:152 Resp: 423150

Ion Ratio Lower Upper

152 100

151 20.1 16.2 24.4

153 13.3 10.2 15.2



#50

Dimethylphthalate

Concen: 47.124 ng

RT: 9.545 min Scan# 1268

Delta R.T. -0.012 min

Lab File: BF137023.D

Acq: 10 Jan 2024 16:52

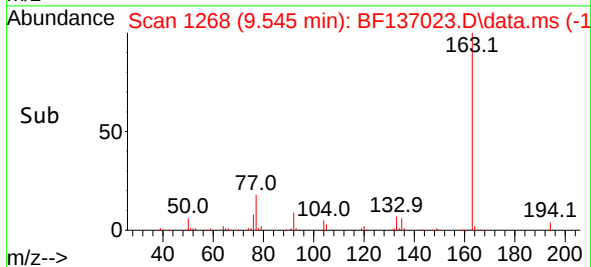
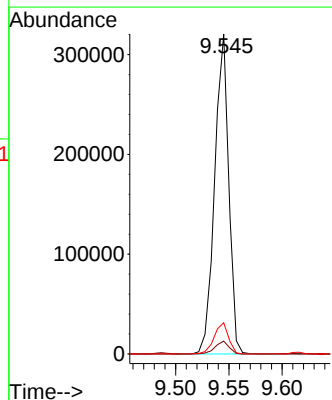
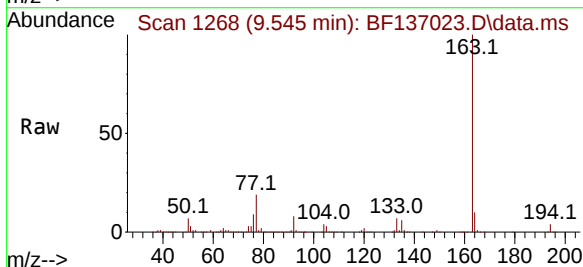
Tgt Ion:163 Resp: 293622

Ion Ratio Lower Upper

163 100

194 4.0 3.3 4.9

164 9.7 7.8 11.6

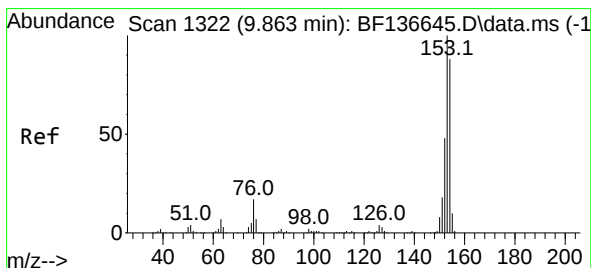
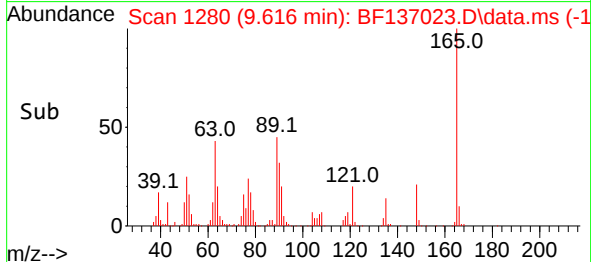
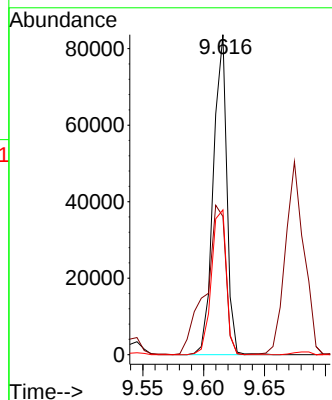
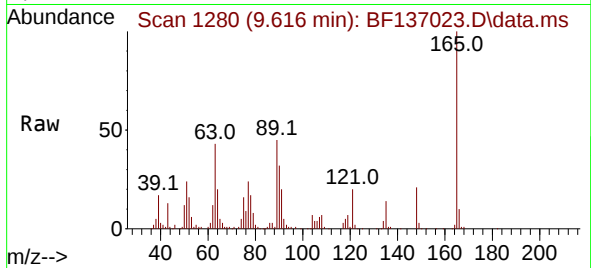




#51
2,6-Dinitrotoluene
Concen: 45.321 ng
RT: 9.616 min Scan# 1280
Delta R.T. -0.006 min
Lab File: BF137023.D
Acq: 10 Jan 2024 16:52

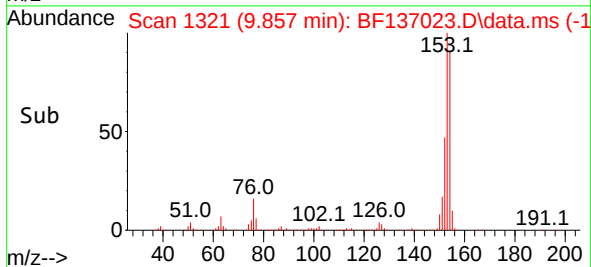
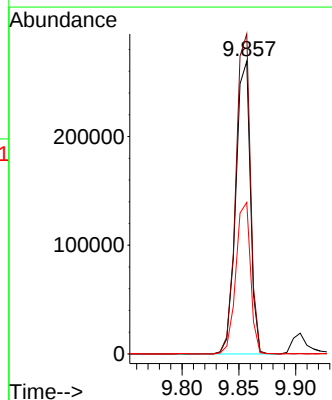
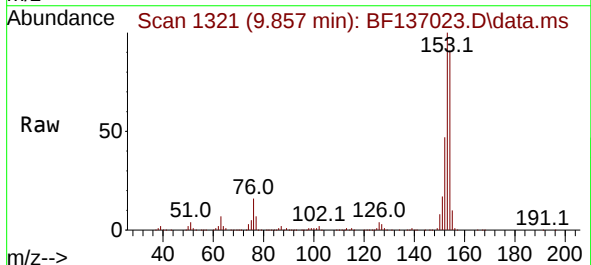
Instrument :
BNA_F
ClientSampleId :
TP-4MS

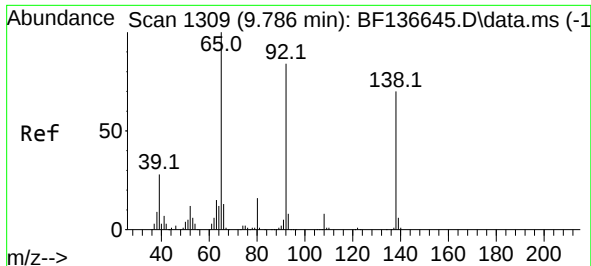
Tgt Ion:165 Resp: 64088
Ion Ratio Lower Upper
165 100
63 43.2 39.8 59.6
89 45.3 38.8 58.2



#52
Acenaphthene
Concen: 46.517 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF137023.D
Acq: 10 Jan 2024 16:52

Tgt Ion:154 Resp: 239843
Ion Ratio Lower Upper
154 100
153 109.3 90.7 136.1
152 51.8 43.7 65.5

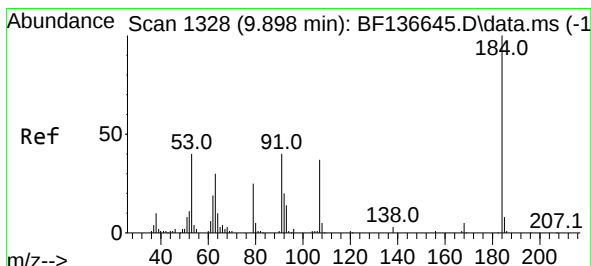
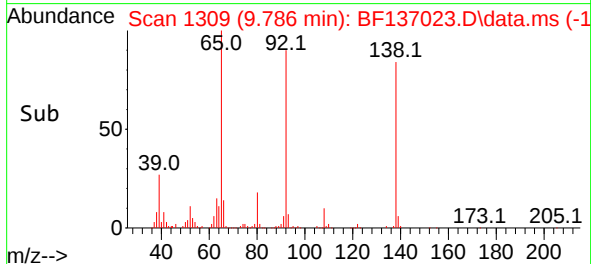
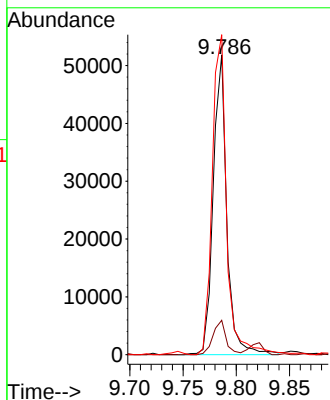
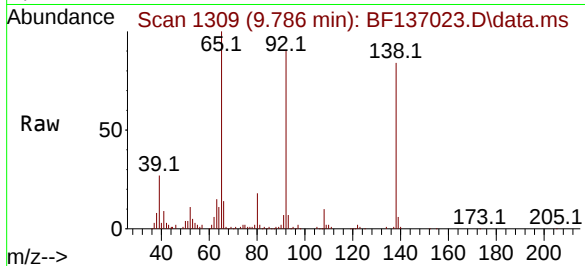




#53
3-Nitroaniline
Concen: 30.640 ng
RT: 9.786 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF137023.D
Acq: 10 Jan 2024 16:52

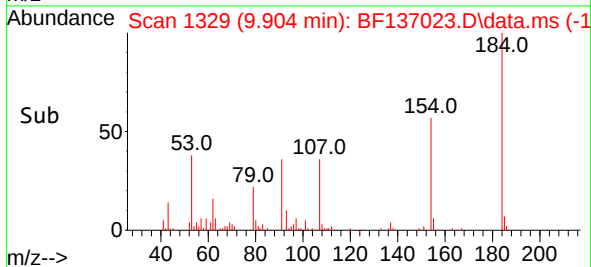
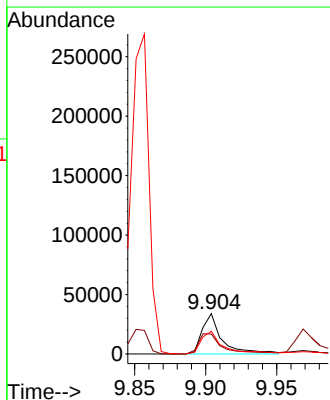
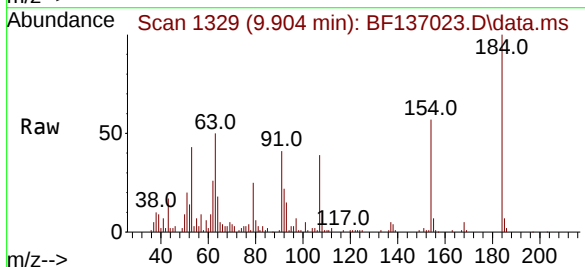
Instrument :
BNA_F
ClientSampleId :
TP-4MS

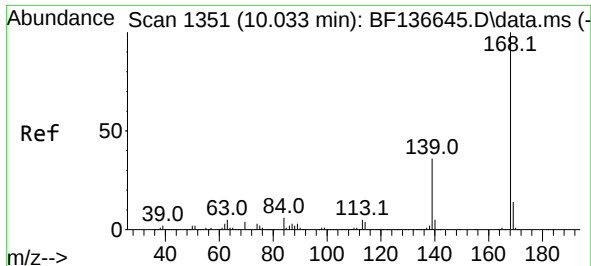
Tgt Ion:138 Resp: 45898
Ion Ratio Lower Upper
138 100
108 11.5 8.6 12.8
92 106.7 95.2 142.8



#54
2,4-Dinitrophenol
Concen: 44.097 ng
RT: 9.904 min Scan# 1329
Delta R.T. 0.006 min
Lab File: BF137023.D
Acq: 10 Jan 2024 16:52

Tgt Ion:184 Resp: 33182
Ion Ratio Lower Upper
184 100
63 49.8 40.9 61.3
154 56.5 42.7 64.1

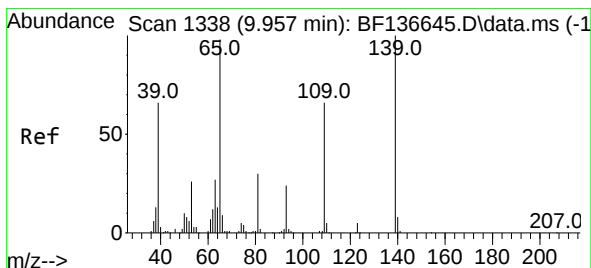
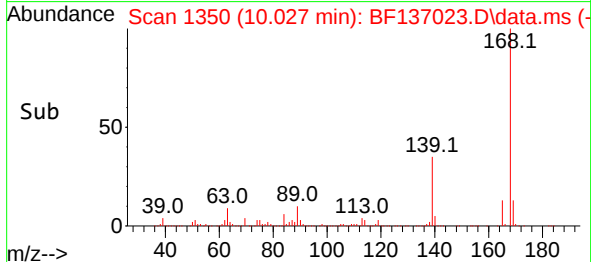
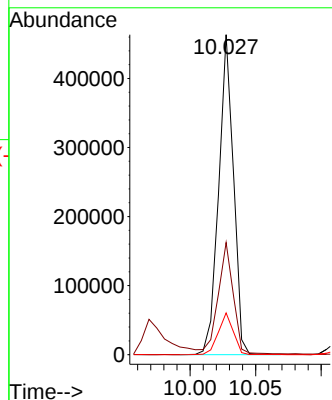
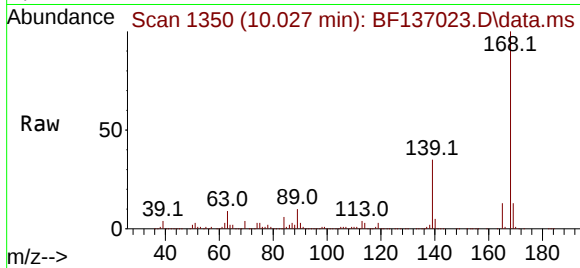




#55
Dibenzofuran
Concen: 46.309 ng
RT: 10.027 min Scan# 1350
Delta R.T. -0.006 min
Lab File: BF137023.D
Acq: 10 Jan 2024 16:52

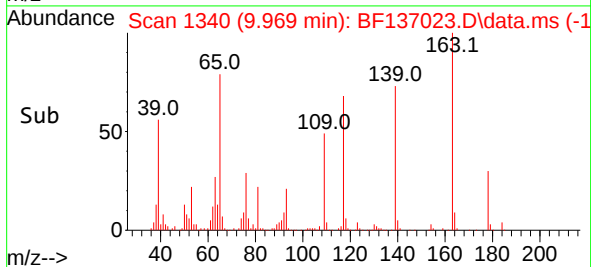
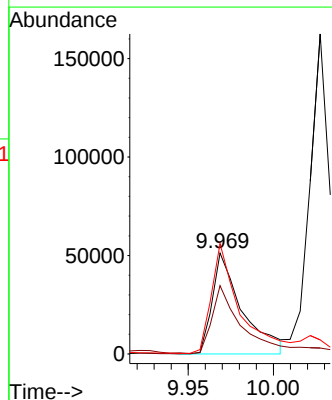
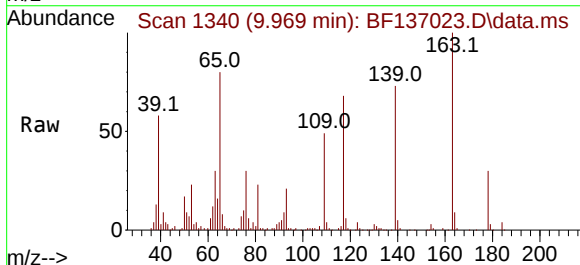
Instrument :
BNA_F
ClientSampleId :
TP-4MS

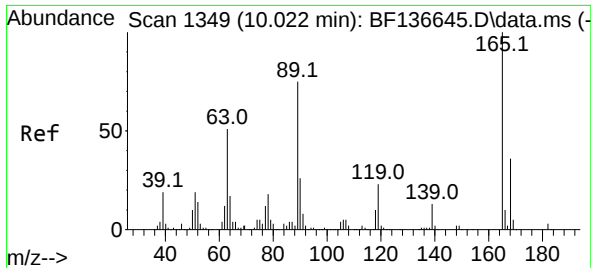
Tgt Ion:168 Resp: 361946
Ion Ratio Lower Upper
168 100
139 35.1 29.3 43.9
169 13.1 11.0 16.4



#56
4-Nitrophenol
Concen: 62.038 ng
RT: 9.969 min Scan# 1340
Delta R.T. 0.012 min
Lab File: BF137023.D
Acq: 10 Jan 2024 16:52

Tgt Ion:139 Resp: 62734
Ion Ratio Lower Upper
139 100
109 67.7 45.8 85.8
65 109.3 77.8 117.8

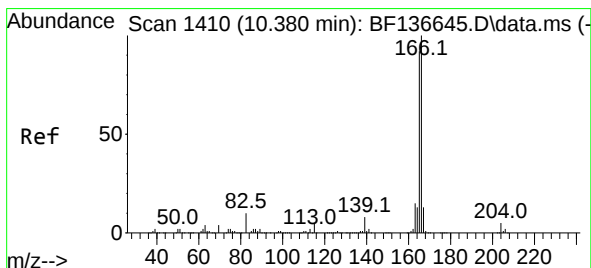
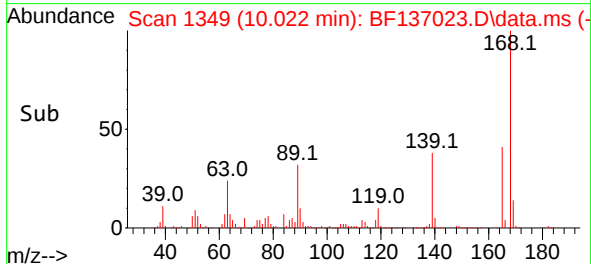
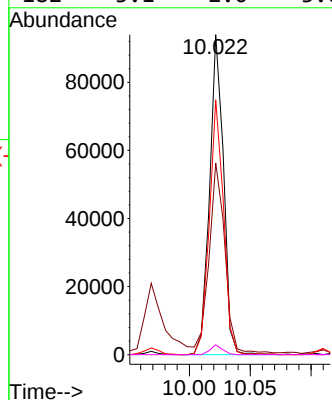
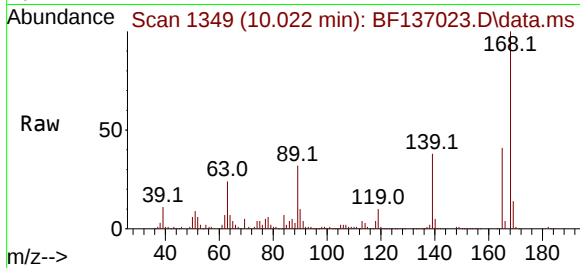




#57
2,4-Dinitrotoluene
Concen: 40.652 ng
RT: 10.022 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF137023.D
Acq: 10 Jan 2024 16:52

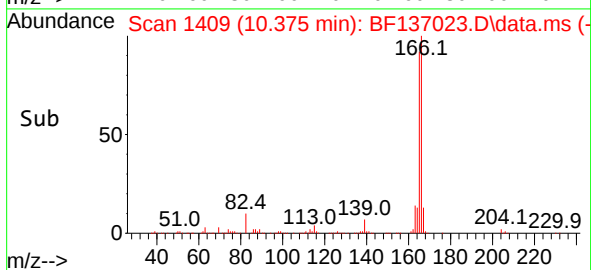
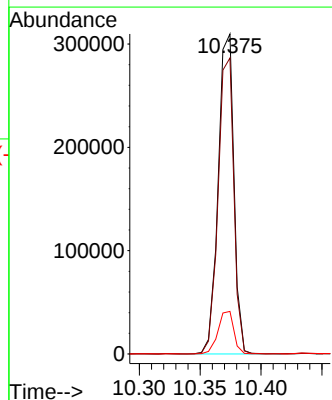
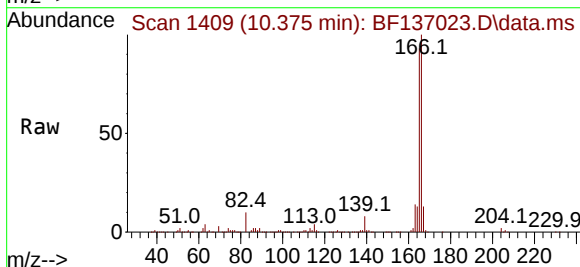
Instrument :
BNA_F
ClientSampleId :
TP-4MS

Tgt Ion:165 Resp: 74627
Ion Ratio Lower Upper
165 100
63 59.9 41.0 61.6
89 79.7 59.9 89.9
182 3.1 2.0 3.0#



#58
Fluorene
Concen: 45.061 ng
RT: 10.375 min Scan# 1409
Delta R.T. -0.006 min
Lab File: BF137023.D
Acq: 10 Jan 2024 16:52

Tgt Ion:166 Resp: 279447
Ion Ratio Lower Upper
166 100
165 92.5 73.7 110.5
167 13.3 10.4 15.6

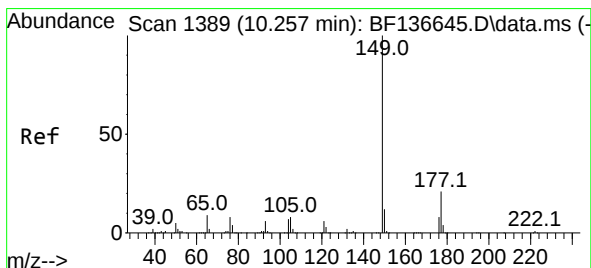
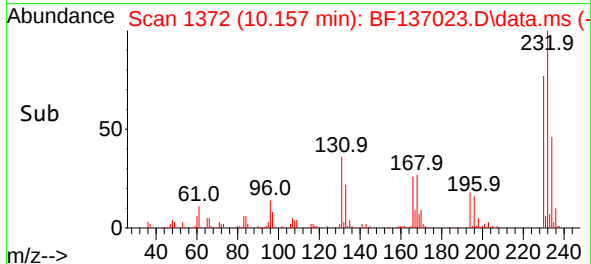
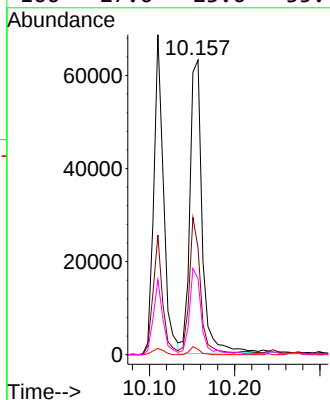
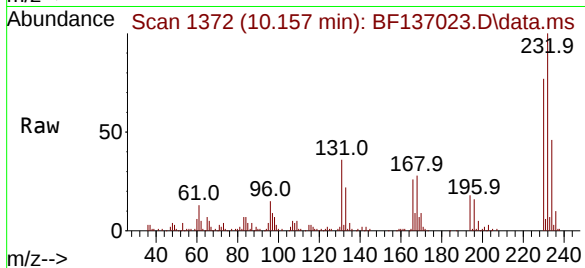




#59
2,3,4,6-Tetrachlorophenol
Concen: 43.604 ng
RT: 10.157 min Scan# 1372
Delta R.T. 0.000 min
Lab File: BF137023.D
Acq: 10 Jan 2024 16:52

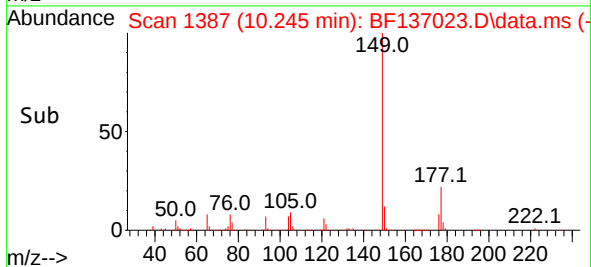
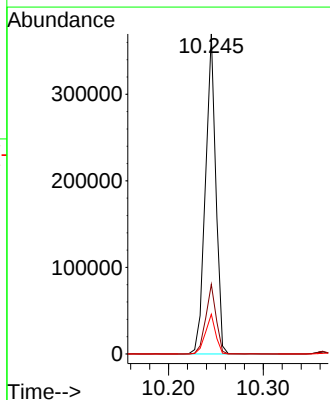
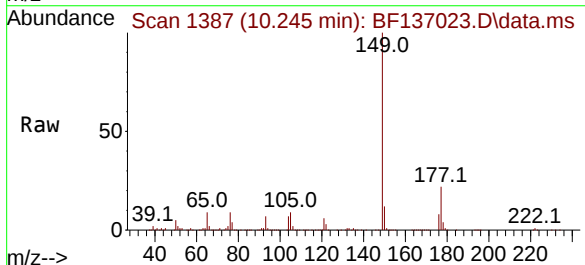
Instrument :
BNA_F
ClientSampleId :
TP-4MS

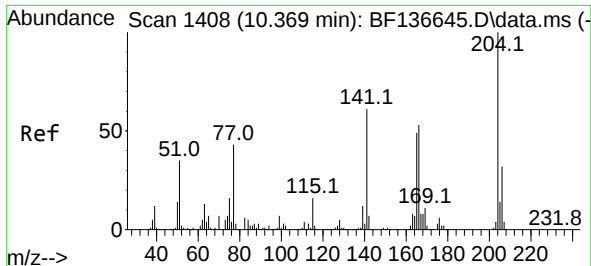
Tgt Ion:232 Resp: 63371
Ion Ratio Lower Upper
232 100
131 40.5 35.1 52.7
130 2.1 1.6 2.4
166 27.6 23.6 35.4



#60
Diethylphthalate
Concen: 43.387 ng
RT: 10.245 min Scan# 1387
Delta R.T. -0.012 min
Lab File: BF137023.D
Acq: 10 Jan 2024 16:52

Tgt Ion:149 Resp: 280492
Ion Ratio Lower Upper
149 100
177 21.8 16.9 25.3
150 12.4 9.3 13.9

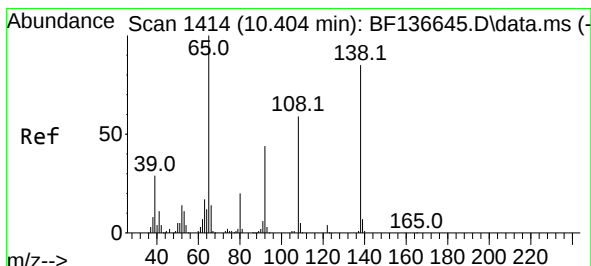
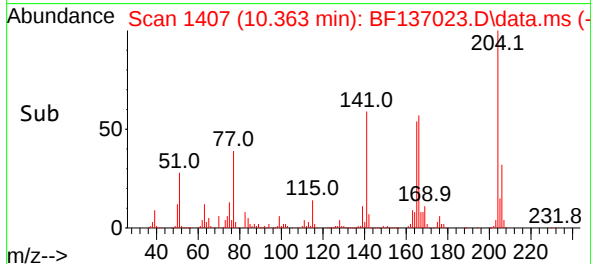
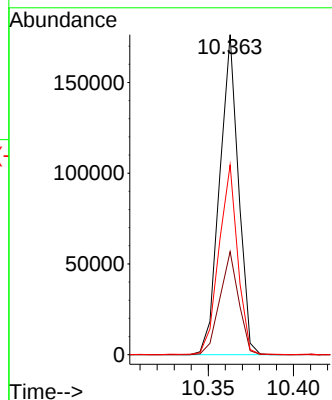
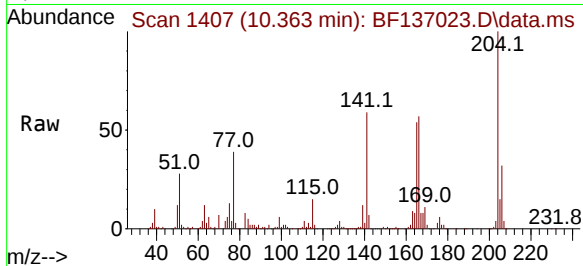




#61
4-Chlorophenyl-phenylether
Concen: 44.930 ng
RT: 10.363 min Scan# 1407
Delta R.T. -0.006 min
Lab File: BF137023.D
Acq: 10 Jan 2024 16:52

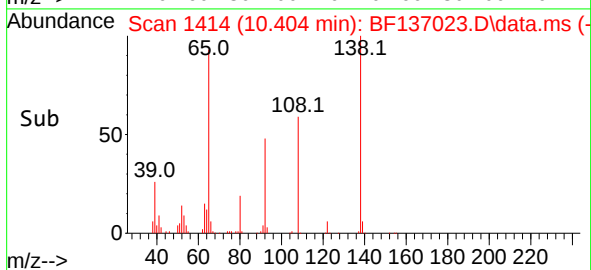
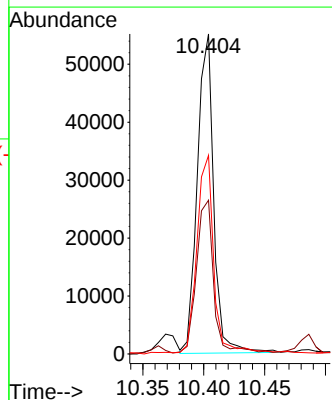
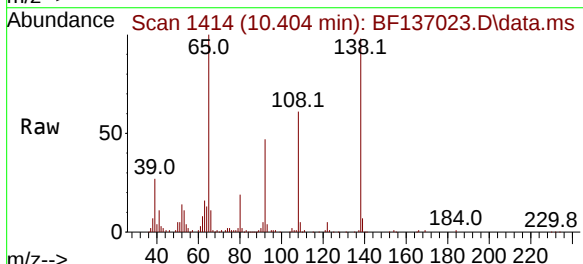
Instrument :
BNA_F
ClientSampleId :
TP-4MS

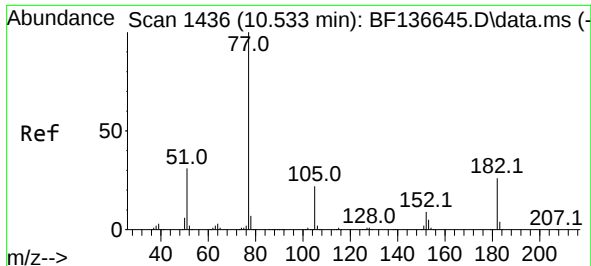
Tgt Ion:204 Resp: 135437
Ion Ratio Lower Upper
204 100
206 32.2 25.6 38.4
141 59.3 48.4 72.6



#62
4-Nitroaniline
Concen: 35.869 ng
RT: 10.404 min Scan# 1414
Delta R.T. 0.000 min
Lab File: BF137023.D
Acq: 10 Jan 2024 16:52

Tgt Ion:138 Resp: 51797
Ion Ratio Lower Upper
138 100
92 48.0 32.1 72.1
108 62.1 50.1 90.1

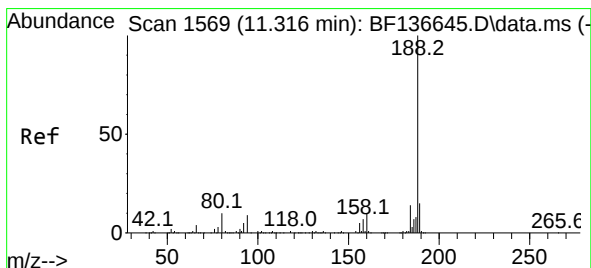
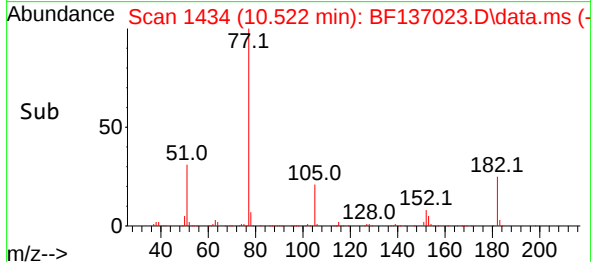
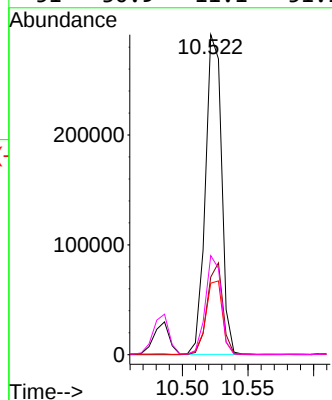
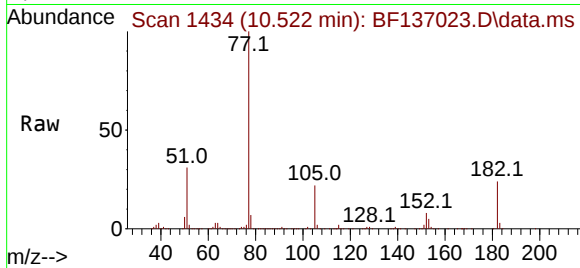




#63
Azobenzene
Concen: 41.442 ng
RT: 10.522 min Scan# 1434
Delta R.T. -0.012 min
Lab File: BF137023.D
Acq: 10 Jan 2024 16:52

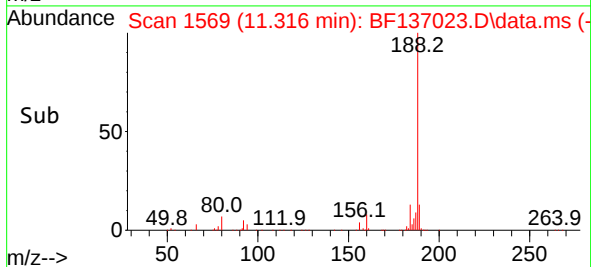
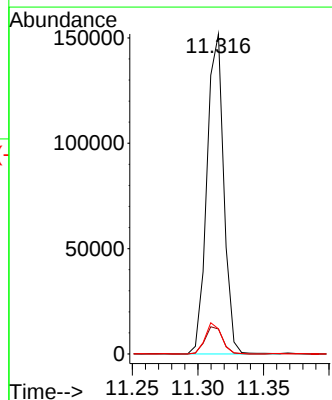
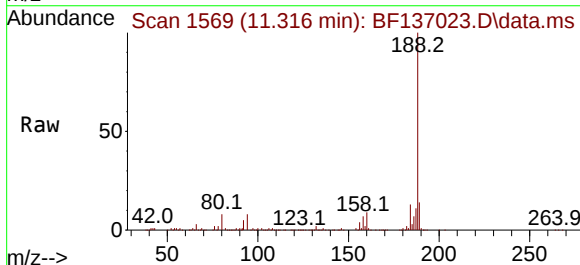
Instrument :
BNA_F
ClientSampleId :
TP-4MS

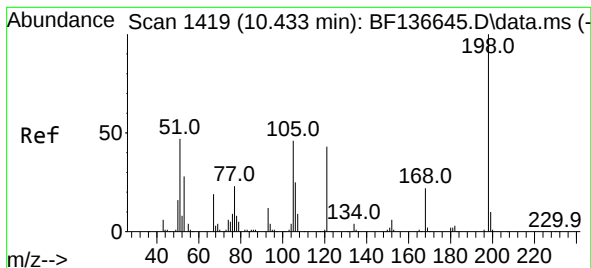
Tgt Ion: 77 Resp: 250234
Ion Ratio Lower Upper
77 100
182 24.3 6.0 46.0
105 22.4 2.3 42.3
51 30.9 11.1 51.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. 0.000 min
Lab File: BF137023.D
Acq: 10 Jan 2024 16:52

Tgt Ion:188 Resp: 135986
Ion Ratio Lower Upper
188 100
94 7.8 7.5 11.3
80 7.9 8.1 12.1#

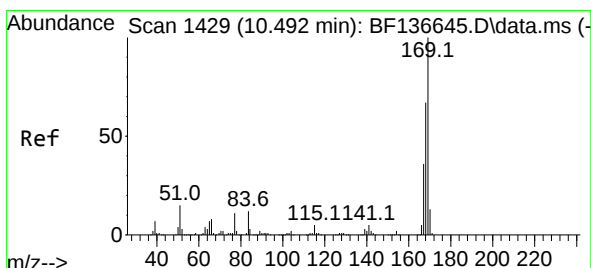
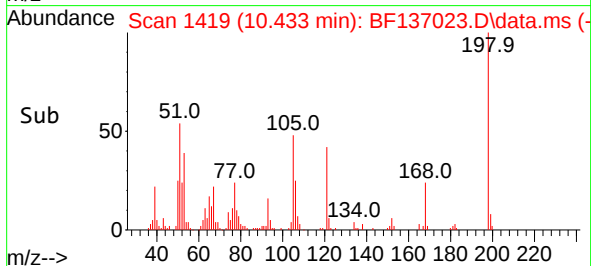
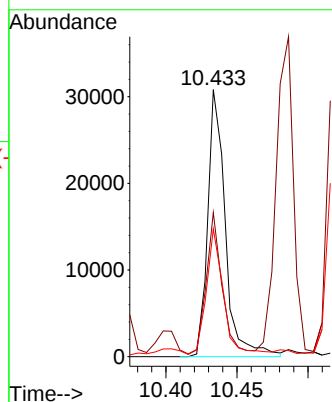
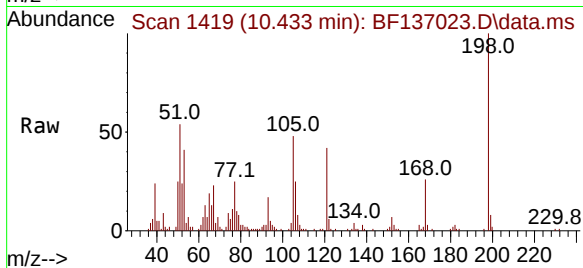




#65
4,6-Dinitro-2-methylphenol
Concen: 34.075 ng
RT: 10.433 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BF137023.D
Acq: 10 Jan 2024 16:52

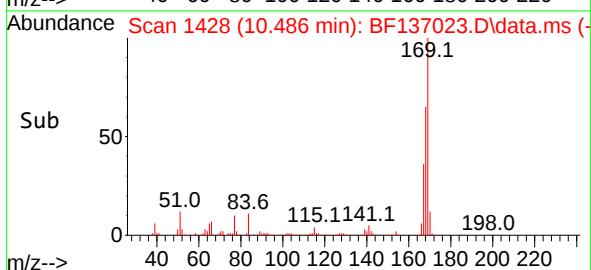
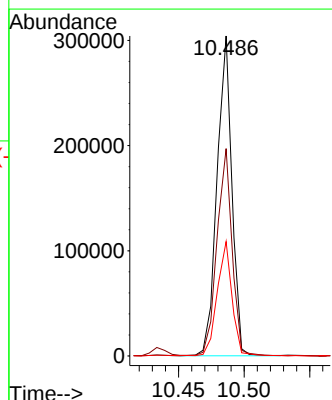
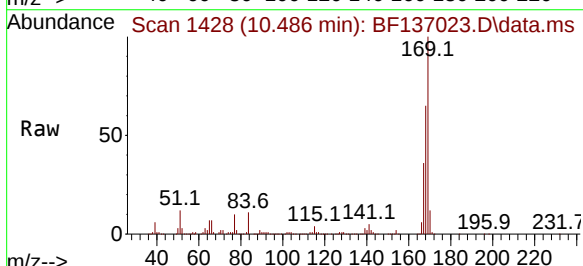
Instrument :
BNA_F
ClientSampleId :
TP-4MS

Tgt Ion:198 Resp: 26556
Ion Ratio Lower Upper
198 100
51 54.0 34.1 74.1
105 47.9 27.3 67.3



#66
n-Nitrosodiphenylamine
Concen: 54.149 ng
RT: 10.486 min Scan# 1428
Delta R.T. -0.006 min
Lab File: BF137023.D
Acq: 10 Jan 2024 16:52

Tgt Ion:169 Resp: 239199
Ion Ratio Lower Upper
169 100
168 64.8 53.8 80.6
167 35.8 28.7 43.1





#67

4-Bromophenyl-phenylether

Concen: 51.076 ng

RT: 10.857 min Scan# 1491

Delta R.T. -0.006 min

Lab File: BF137023.D

Acq: 10 Jan 2024 16:52

Instrument :

BNA_F

ClientSampleId :

TP-4MS

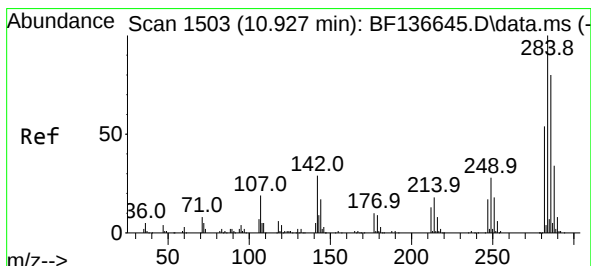
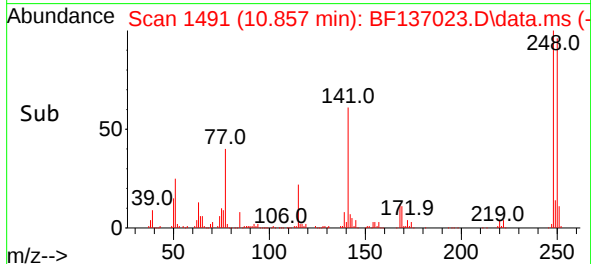
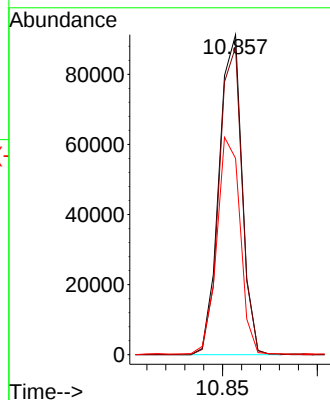
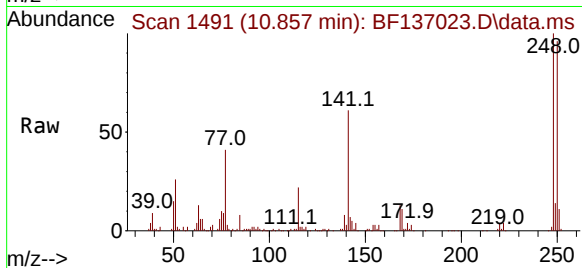
Tgt Ion:248 Resp: 77137

Ion Ratio Lower Upper

248 100

250 96.2 77.8 116.6

141 61.3 59.2 88.8



#68

Hexachlorobenzene

Concen: 49.260 ng

RT: 10.922 min Scan# 1502

Delta R.T. -0.006 min

Lab File: BF137023.D

Acq: 10 Jan 2024 16:52

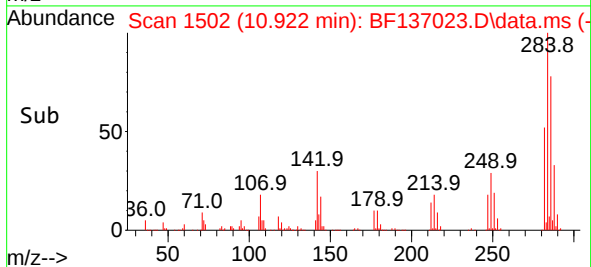
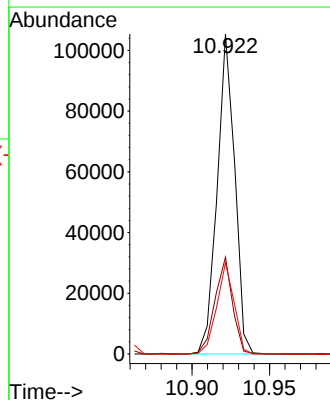
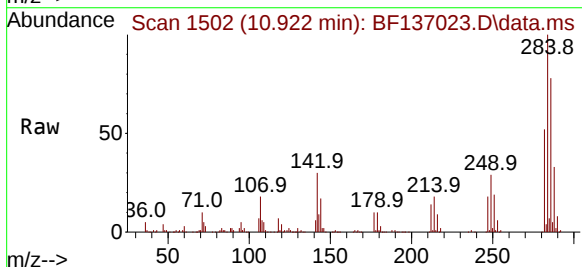
Tgt Ion:284 Resp: 82905

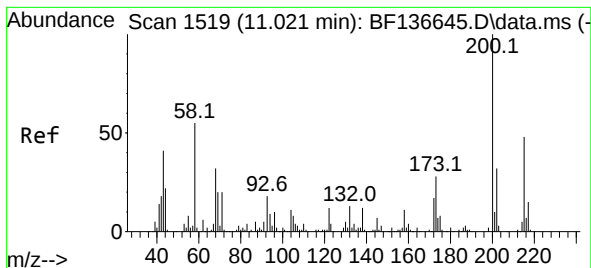
Ion Ratio Lower Upper

284 100

142 30.2 23.4 35.0

249 28.5 22.3 33.5





#69

Atrazine

Concen: 63.371 ng

RT: 11.016 min Scan# 1518

Delta R.T. -0.006 min

Lab File: BF137023.D

Acq: 10 Jan 2024 16:52

Instrument :

BNA_F

ClientSampleId :

TP-4MS

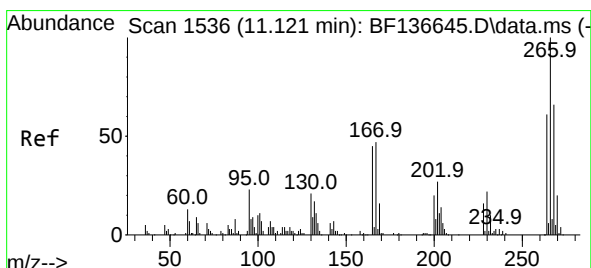
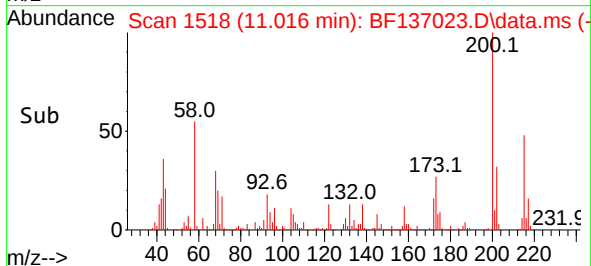
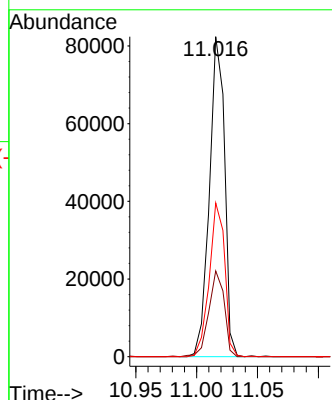
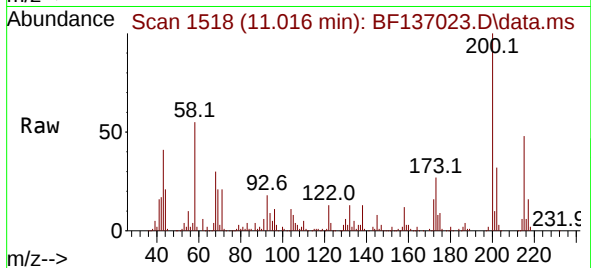
Tgt Ion:200 Resp: 71600

Ion Ratio Lower Upper

200 100

173 26.8 7.6 47.6

215 48.1 28.3 68.3



#70

Pentachlorophenol

Concen: 70.748 ng

RT: 11.127 min Scan# 1537

Delta R.T. 0.006 min

Lab File: BF137023.D

Acq: 10 Jan 2024 16:52

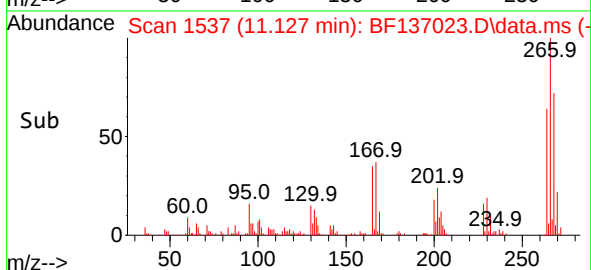
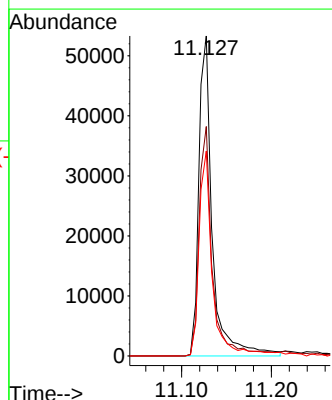
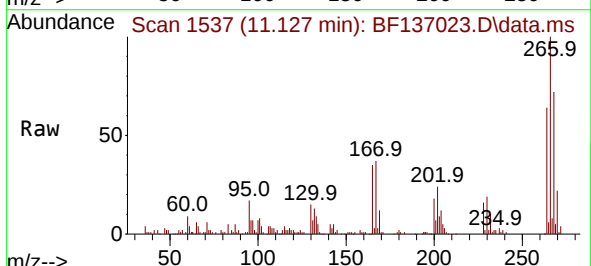
Tgt Ion:266 Resp: 55500

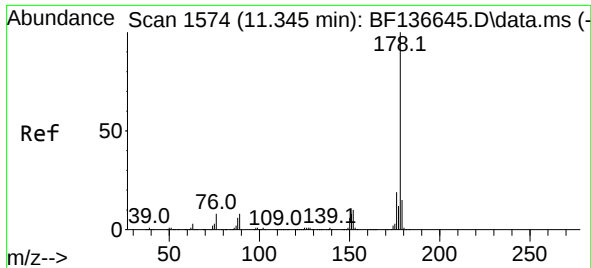
Ion Ratio Lower Upper

266 100

268 71.7 52.6 78.8

264 64.1 49.0 73.4

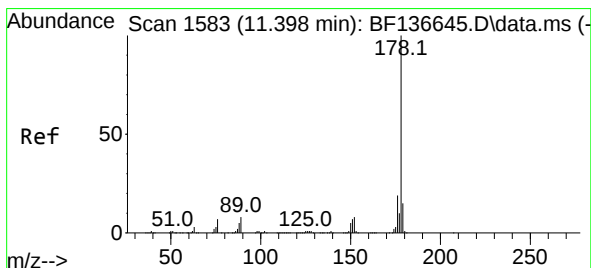
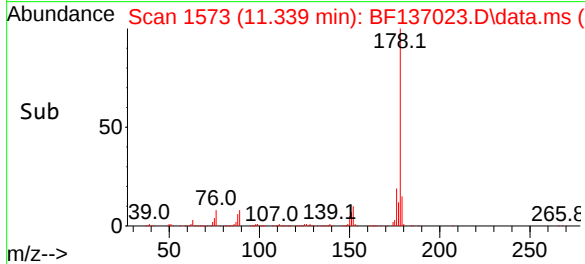
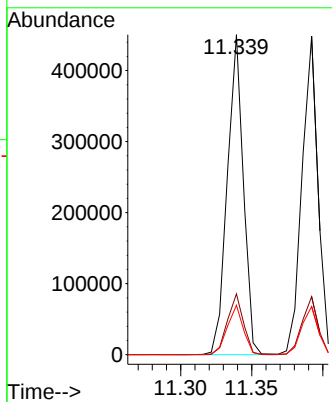
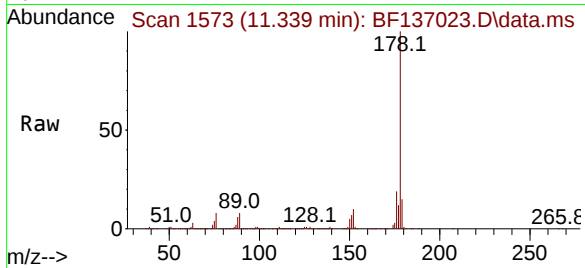




#71
Phenanthrene
Concen: 50.661 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF137023.D
Acq: 10 Jan 2024 16:52

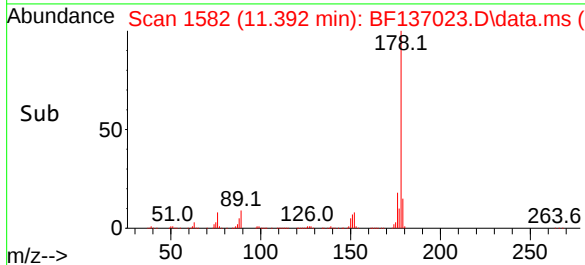
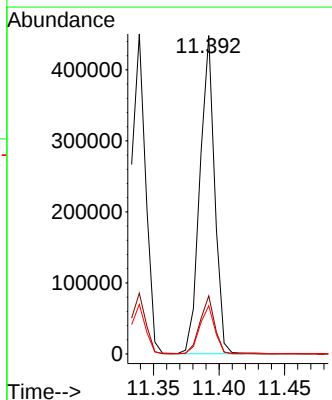
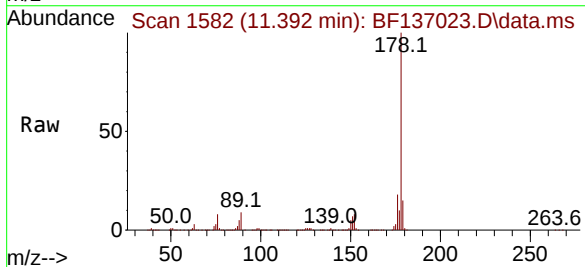
Instrument :
BNA_F
ClientSampleId :
TP-4MS

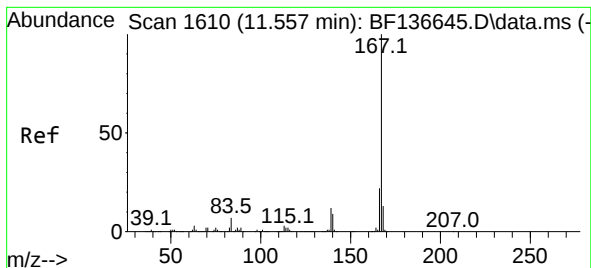
Tgt Ion:178 Resp: 353488
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 15.4 11.9 17.9



#72
Anthracene
Concen: 49.669 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF137023.D
Acq: 10 Jan 2024 16:52

Tgt Ion:178 Resp: 350978
Ion Ratio Lower Upper
178 100
176 18.2 14.9 22.3
179 15.2 11.8 17.6





#73

Carbazole

Concen: 47.161 ng

RT: 11.551 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF137023.D

Acq: 10 Jan 2024 16:52

Instrument :

BNA_F

ClientSampleId :

TP-4MS

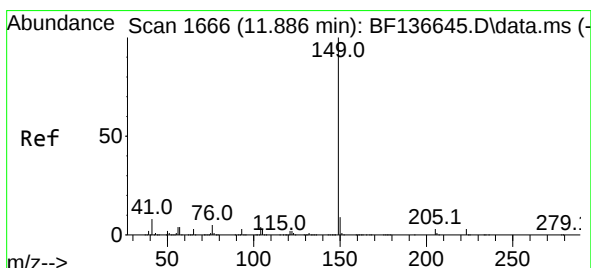
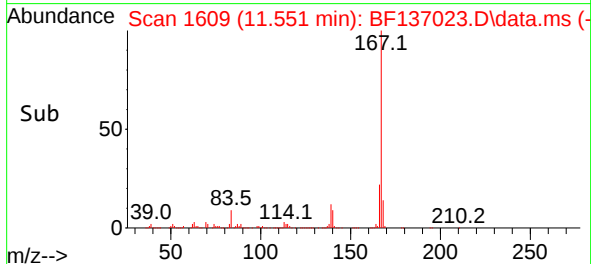
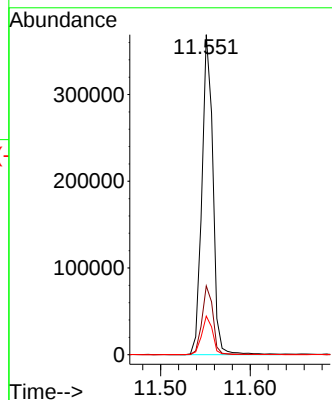
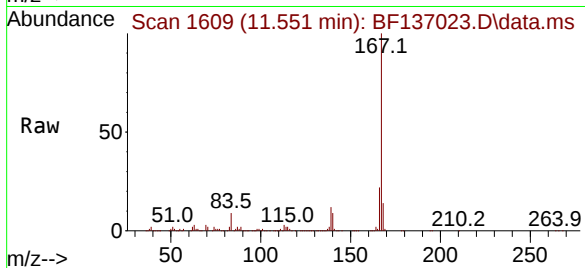
Tgt Ion:167 Resp: 314203

Ion Ratio Lower Upper

167 100

166 21.5 17.3 25.9

139 12.0 9.8 14.6



#74

Di-n-butylphthalate

Concen: 49.914 ng

RT: 11.880 min Scan# 1665

Delta R.T. -0.006 min

Lab File: BF137023.D

Acq: 10 Jan 2024 16:52

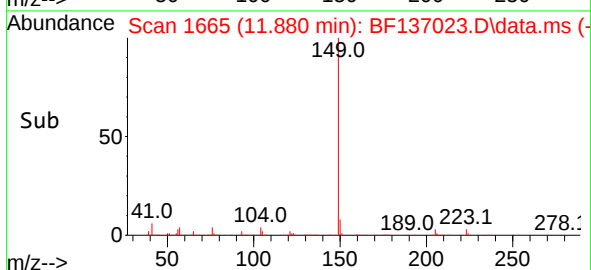
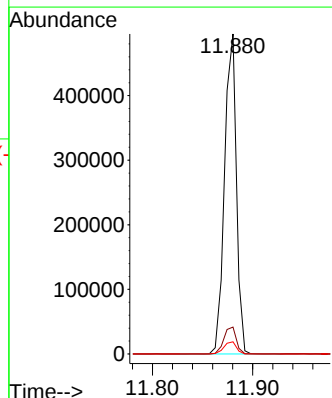
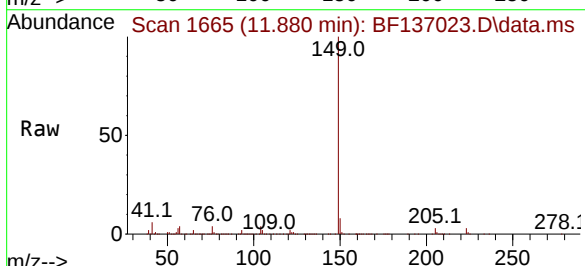
Tgt Ion:149 Resp: 405785

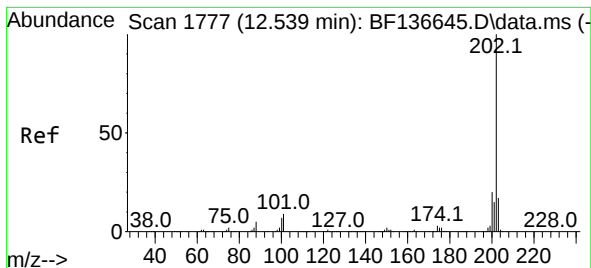
Ion Ratio Lower Upper

149 100

150 8.4 7.4 11.2

104 3.8 3.6 5.4





#75

Fluoranthene

Concen: 51.485 ng

RT: 12.533 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF137023.D

Acq: 10 Jan 2024 16:52

Instrument :

BNA_F

ClientSampleId :

TP-4MS

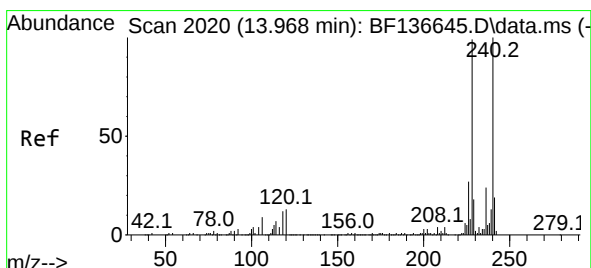
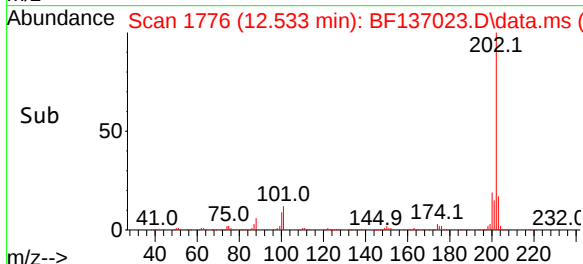
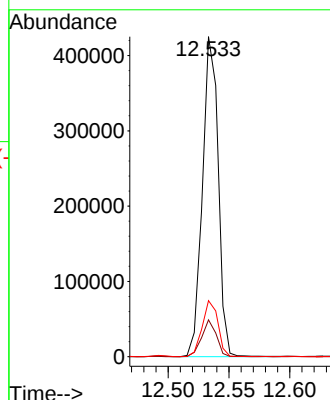
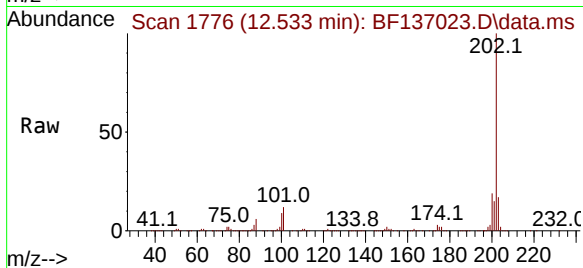
Tgt Ion:202 Resp: 384263

Ion Ratio Lower Upper

202 100

101 11.5 0.0 29.3

203 17.5 0.0 37.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.974 min Scan# 2021

Delta R.T. 0.006 min

Lab File: BF137023.D

Acq: 10 Jan 2024 16:52

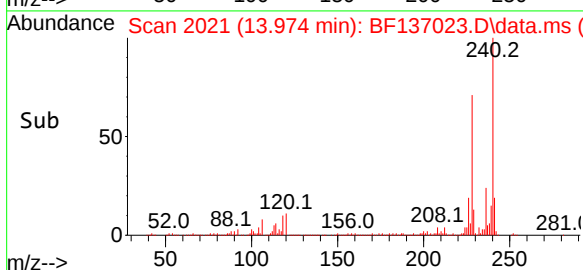
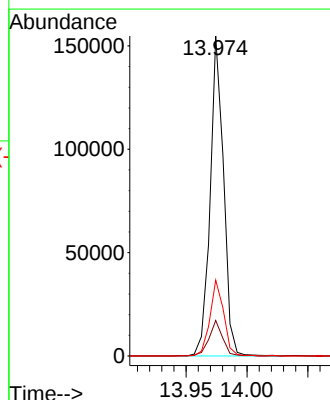
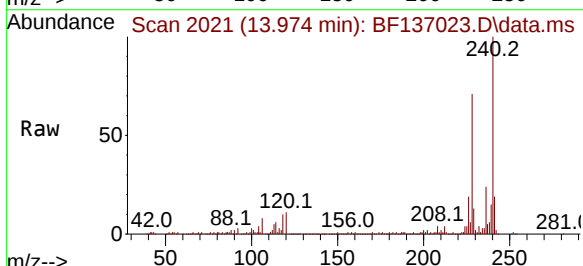
Tgt Ion:240 Resp: 118403

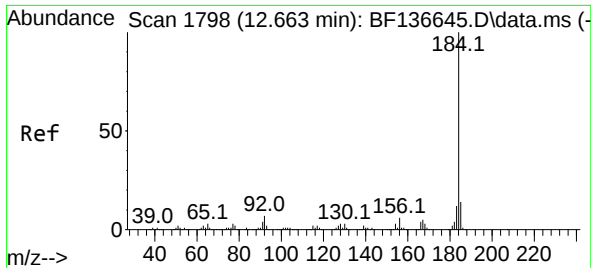
Ion Ratio Lower Upper

240 100

120 11.1 10.3 15.5

236 23.7 19.4 29.2

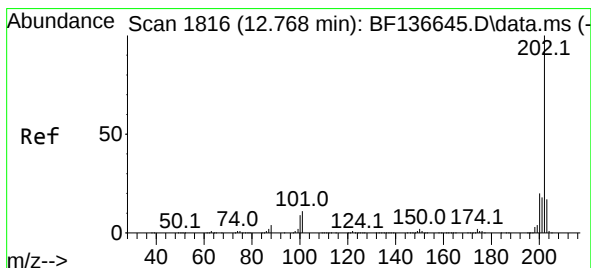
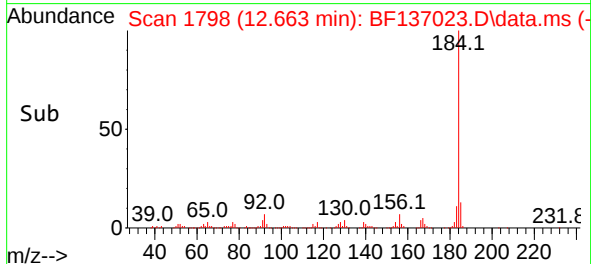
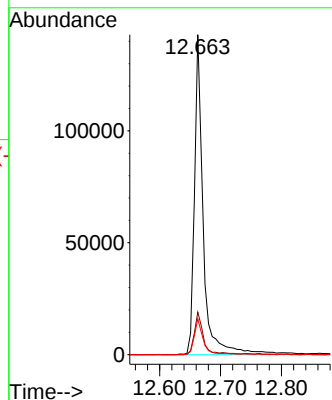
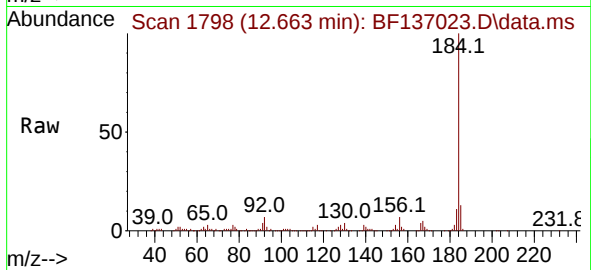




#77
Benzidine
Concen: 40.968 ng
RT: 12.663 min Scan# 1798
Delta R.T. 0.000 min
Lab File: BF137023.D
Acq: 10 Jan 2024 16:52

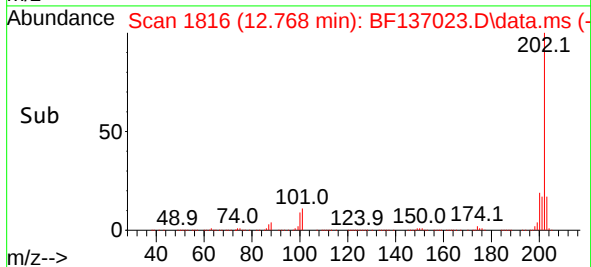
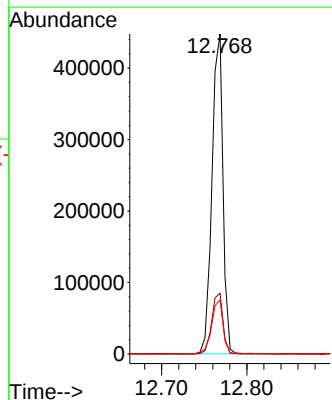
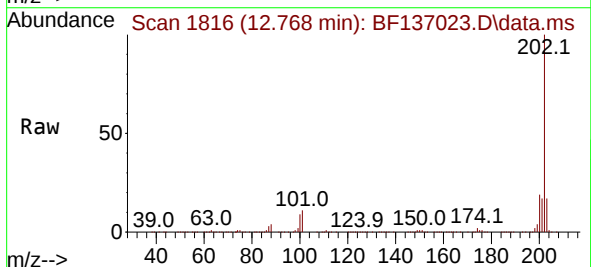
Instrument :
BNA_F
ClientSampleId :
TP-4MS

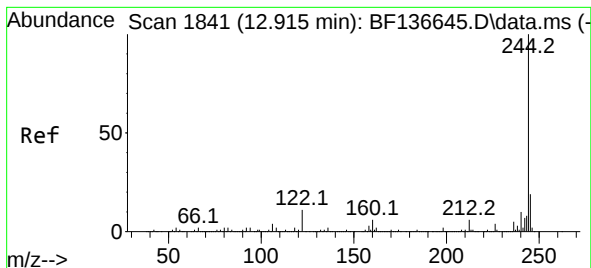
Tgt Ion:184 Resp: 143027
Ion Ratio Lower Upper
184 100
185 13.3 11.2 16.8
183 11.2 9.3 13.9



#78
Pyrene
Concen: 34.450 ng
RT: 12.768 min Scan# 1816
Delta R.T. 0.000 min
Lab File: BF137023.D
Acq: 10 Jan 2024 16:52

Tgt Ion:202 Resp: 400421
Ion Ratio Lower Upper
202 100
200 19.0 15.9 23.9
203 16.9 13.8 20.6





#79

Terphenyl-d14

Concen: 54.042 ng

RT: 12.910 min Scan# 1840

Delta R.T. -0.006 min

Lab File: BF137023.D

Acq: 10 Jan 2024 16:52

Instrument :

BNA_F

ClientSampleId :

TP-4MS

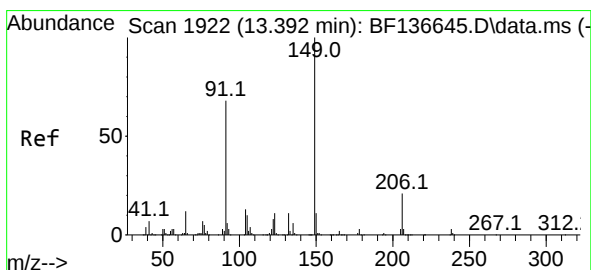
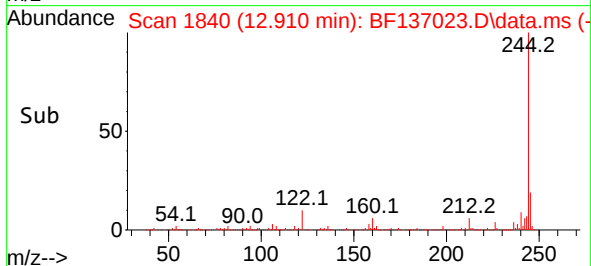
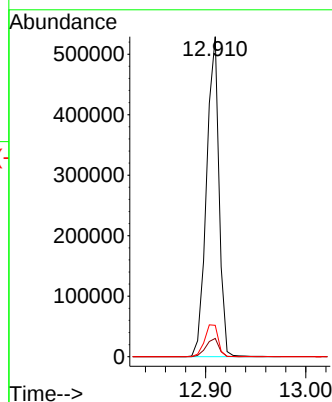
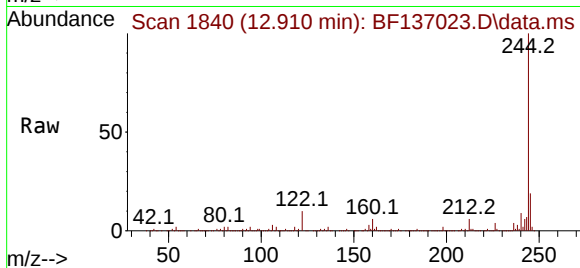
Tgt Ion:244 Resp: 457883

Ion Ratio Lower Upper

244 100

212 5.7 5.0 7.4

122 9.8 9.0 13.4



#80

Butylbenzylphthalate

Concen: 40.430 ng

RT: 13.386 min Scan# 1921

Delta R.T. -0.006 min

Lab File: BF137023.D

Acq: 10 Jan 2024 16:52

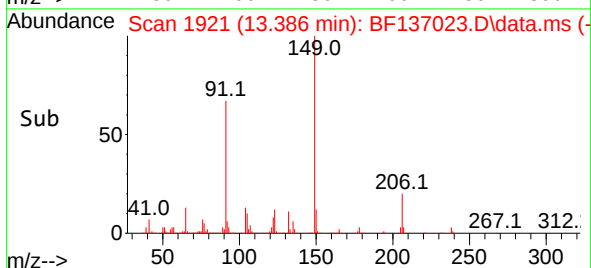
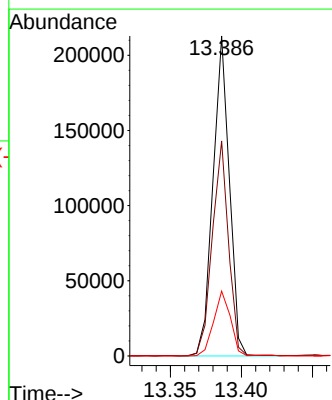
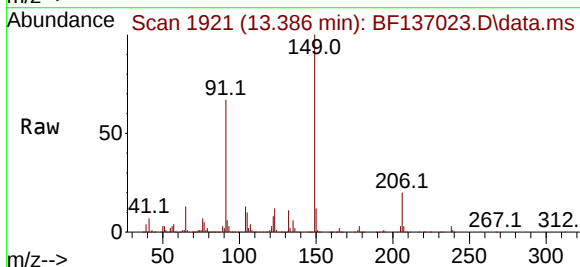
Tgt Ion:149 Resp: 170993

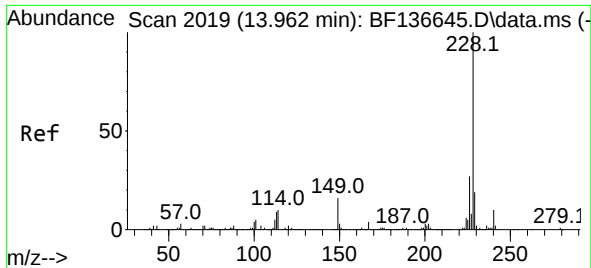
Ion Ratio Lower Upper

149 100

91 67.2 54.1 81.1

206 20.3 17.1 25.7

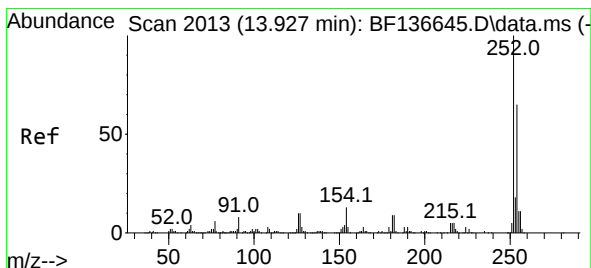
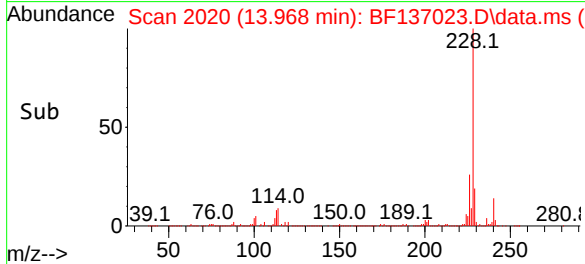
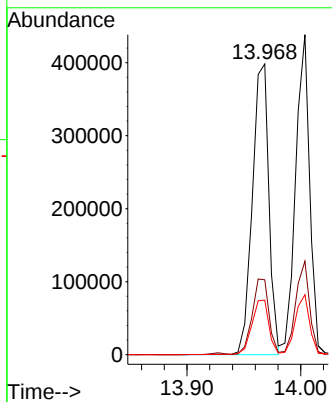
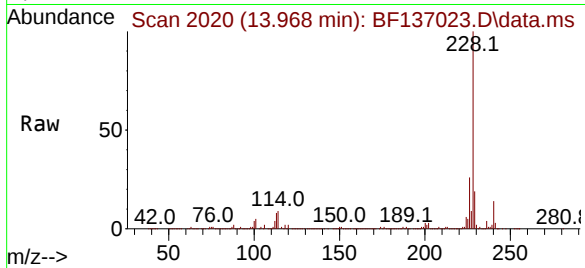




#81
Benzo(a)anthracene
Concen: 49.062 ng
RT: 13.968 min Scan# 2019
Delta R.T. 0.006 min
Lab File: BF137023.D
Acq: 10 Jan 2024 16:52

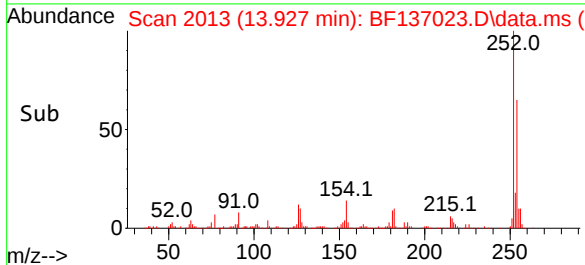
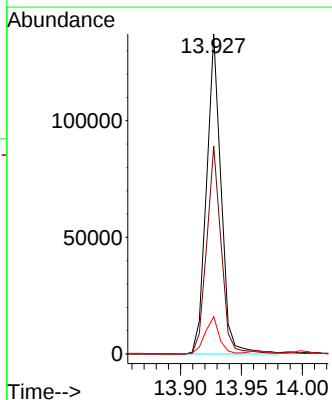
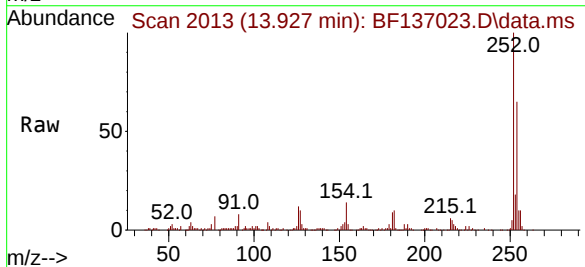
Instrument :
BNA_F
ClientSampleId :
TP-4MS

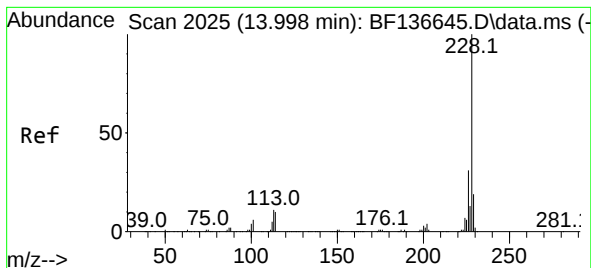
Tgt Ion:228 Resp: 403379
Ion Ratio Lower Upper
228 100
226 25.7 21.4 32.0
229 18.8 14.9 22.3



#82
3,3'-Dichlorobenzidine
Concen: 48.787 ng
RT: 13.927 min Scan# 2013
Delta R.T. 0.000 min
Lab File: BF137023.D
Acq: 10 Jan 2024 16:52

Tgt Ion:252 Resp: 113913
Ion Ratio Lower Upper
252 100
254 65.0 52.2 78.4
126 11.6 8.0 12.0





#83

Chrysene

Concen: 46.704 ng

RT: 14.004 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF137023.D

Acq: 10 Jan 2024 16:52

Instrument :

BNA_F

ClientSampleId :

TP-4MS

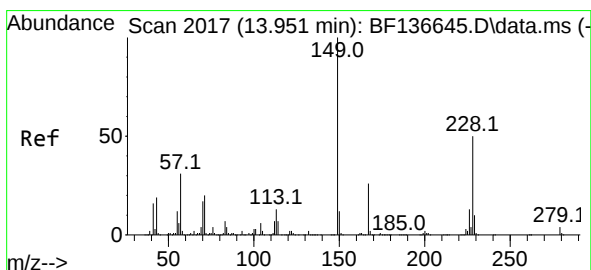
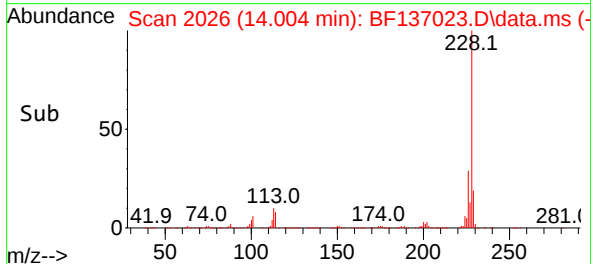
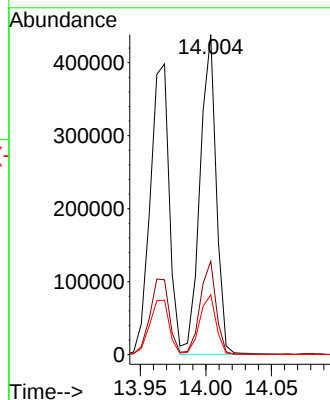
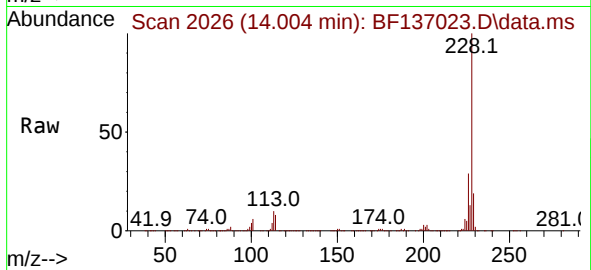
Tgt Ion:228 Resp: 375500

Ion Ratio Lower Upper

228 100

226 29.2 24.7 37.1

229 18.8 15.4 23.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 48.295 ng

RT: 13.945 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF137023.D

Acq: 10 Jan 2024 16:52

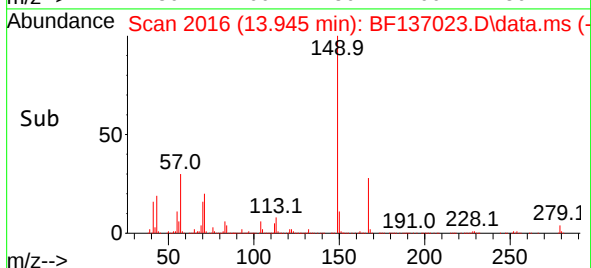
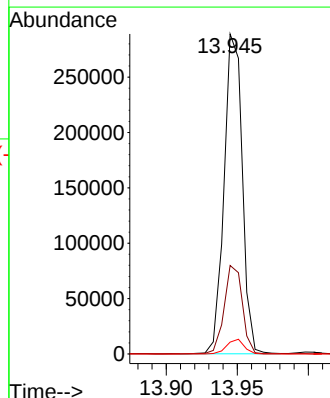
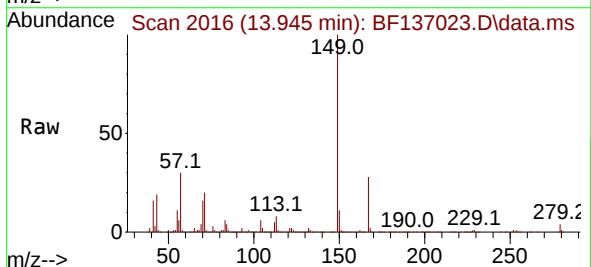
Tgt Ion:149 Resp: 256992

Ion Ratio Lower Upper

149 100

167 27.6 20.9 31.3

279 3.7 2.9 4.3





#85

Di-n-octyl phthalate

Concen: 57.650 ng

RT: 14.568 min Scan# 2122

Delta R.T. 0.000 min

Lab File: BF137023.D

Acq: 10 Jan 2024 16:52

Instrument :

BNA_F

ClientSampleId :

TP-4MS

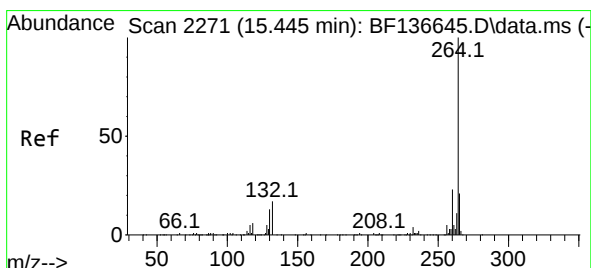
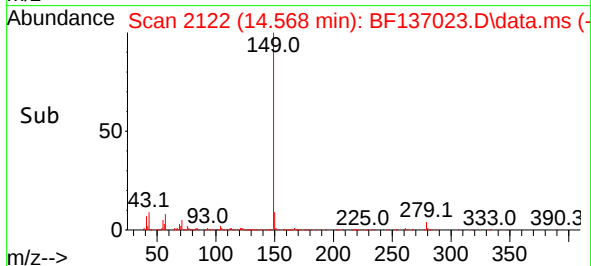
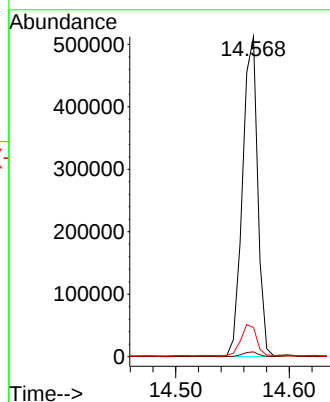
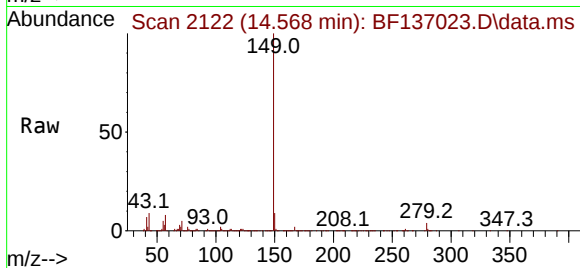
Tgt Ion:149 Resp: 474538

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

43 10.1 8.9 13.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.462 min Scan# 2274

Delta R.T. 0.018 min

Lab File: BF137023.D

Acq: 10 Jan 2024 16:52

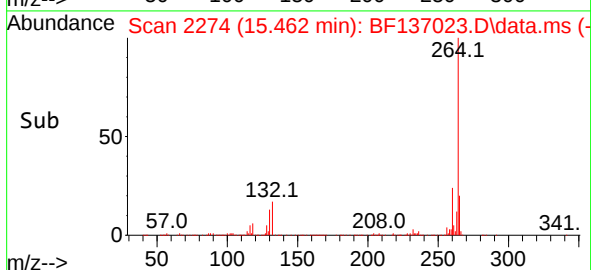
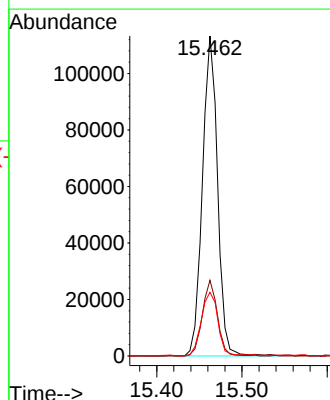
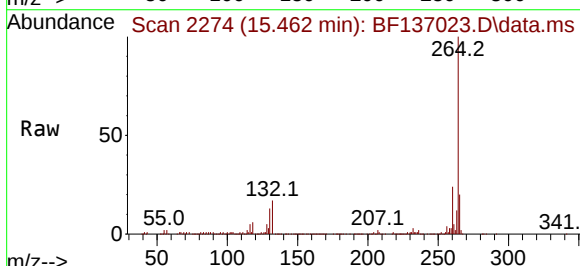
Tgt Ion:264 Resp: 139432

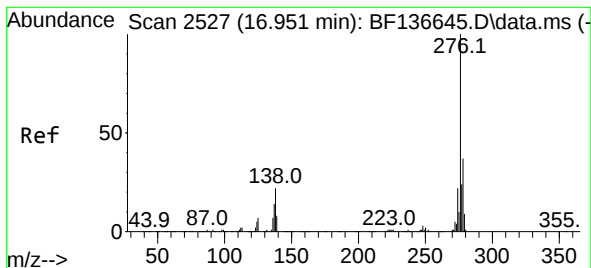
Ion Ratio Lower Upper

264 100

260 23.7 18.3 27.5

265 19.9 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 41.965 ng

RT: 16.992 min Scan# 21

Delta R.T. 0.041 min

Lab File: BF137023.D

Acq: 10 Jan 2024 16:52

Instrument :

BNA_F

ClientSampleId :

TP-4MS

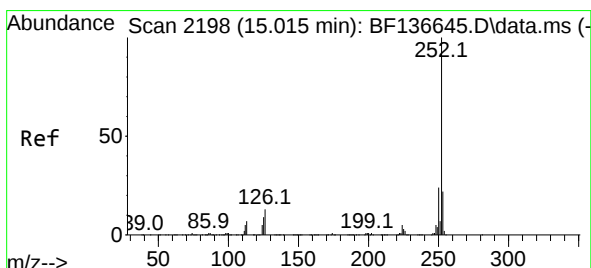
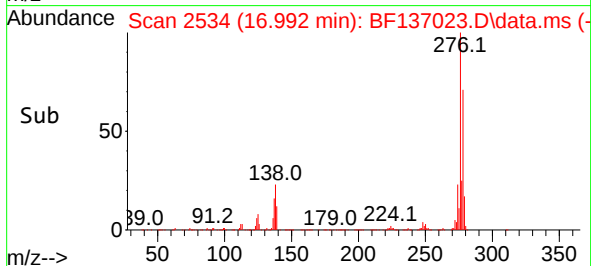
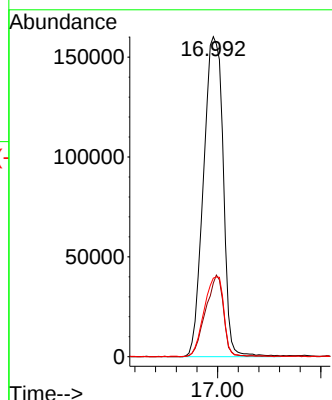
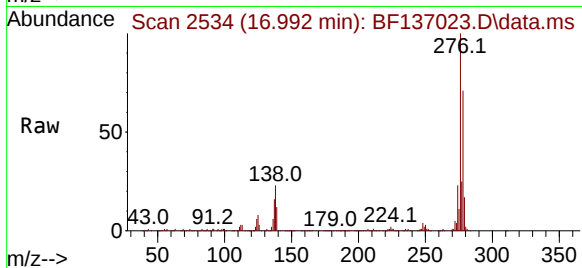
Tgt Ion:276 Resp: 422472

Ion Ratio Lower Upper

276 100

138 23.2 18.7 28.1

277 25.1 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 47.586 ng

RT: 15.027 min Scan# 2200

Delta R.T. 0.012 min

Lab File: BF137023.D

Acq: 10 Jan 2024 16:52

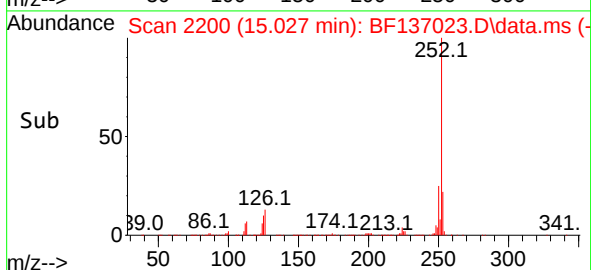
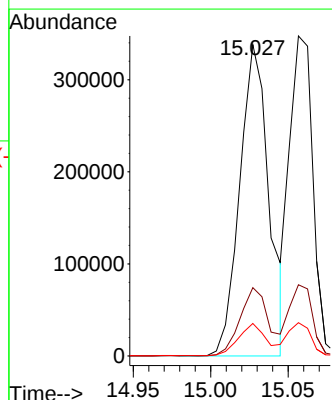
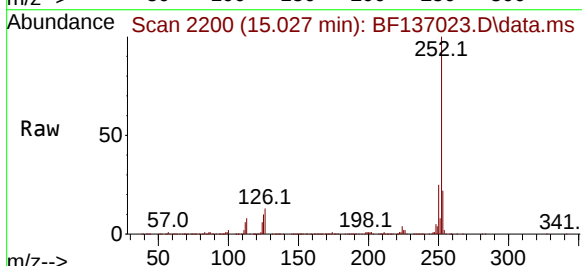
Tgt Ion:252 Resp: 443155

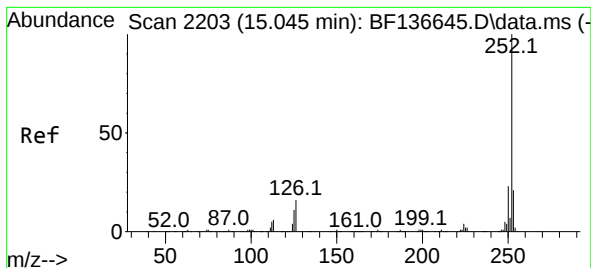
Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.0

125 10.5 7.4 11.2





#89

Benzo(k)fluoranthene

Concen: 41.435 ng

RT: 15.057 min Scan# 2205

Delta R.T. 0.012 min

Lab File: BF137023.D

Acq: 10 Jan 2024 16:52

Instrument :

BNA_F

ClientSampleId :

TP-4MS

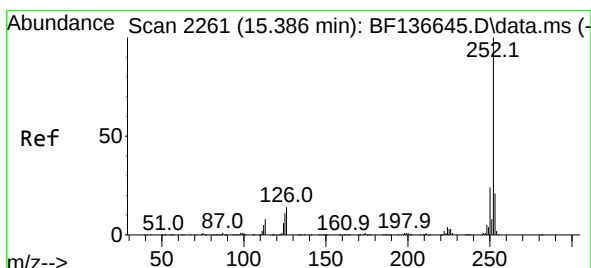
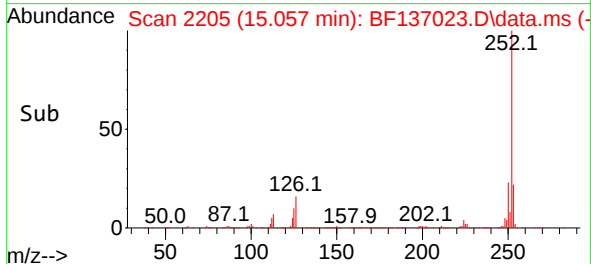
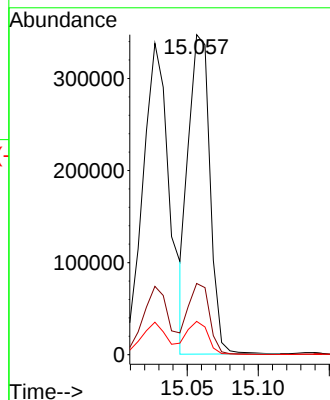
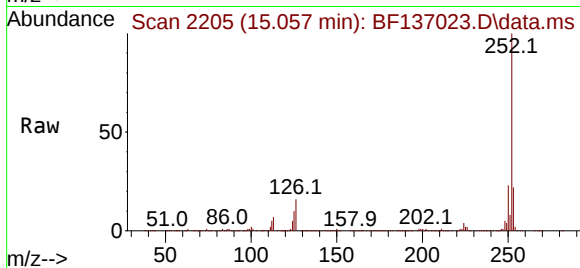
Tgt Ion:252 Resp: 364613

Ion Ratio Lower Upper

252 100

253 22.2 17.0 25.6

125 10.4 8.2 12.4



#90

Benzo(a)pyrene

Concen: 46.783 ng

RT: 15.404 min Scan# 2264

Delta R.T. 0.018 min

Lab File: BF137023.D

Acq: 10 Jan 2024 16:52

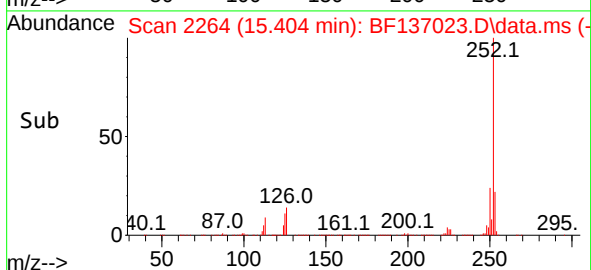
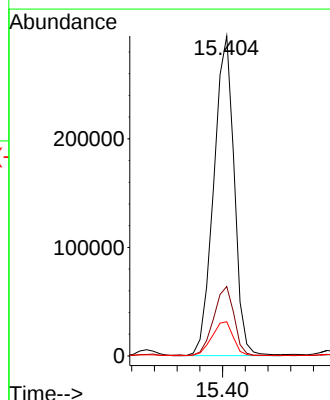
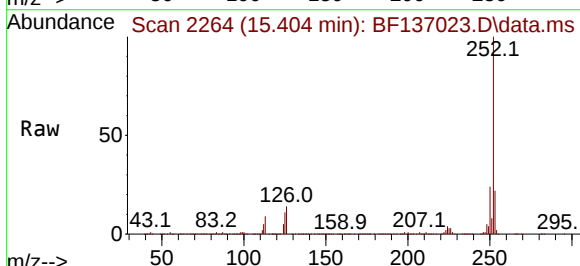
Tgt Ion:252 Resp: 367763

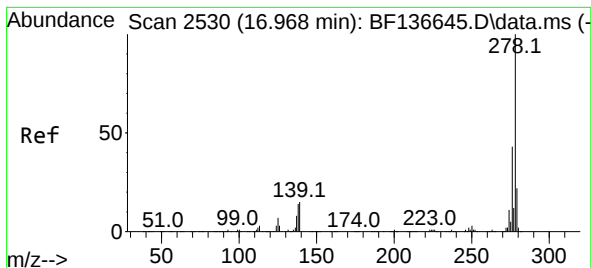
Ion Ratio Lower Upper

252 100

253 21.7 17.0 25.6

125 10.7 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 42.041 ng

RT: 17.003 min Scan# 21

Delta R.T. 0.035 min

Lab File: BF137023.D

Acq: 10 Jan 2024 16:52

Instrument :

BNA_F

ClientSampleId :

TP-4MS

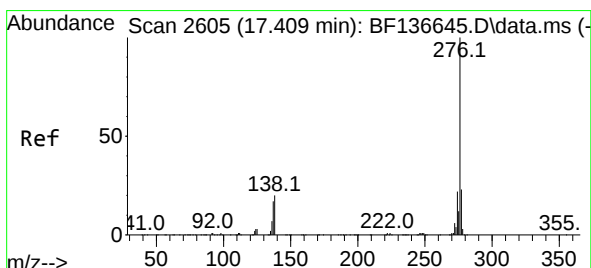
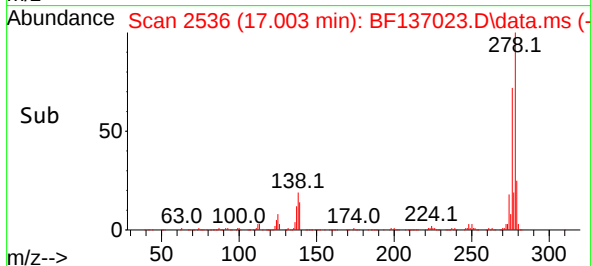
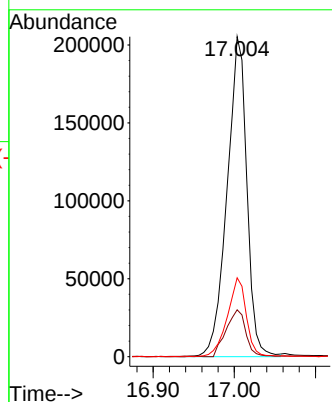
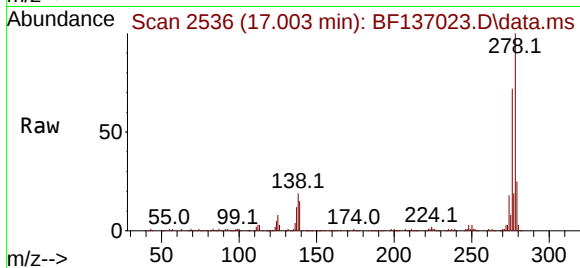
Tgt Ion:278 Resp: 347218

Ion Ratio Lower Upper

278 100

139 14.7 12.2 18.4

279 24.7 17.8 26.6



#92

Benzo(g,h,i)perylene

Concen: 36.557 ng

RT: 17.451 min Scan# 2612

Delta R.T. 0.041 min

Lab File: BF137023.D

Acq: 10 Jan 2024 16:52

Tgt Ion:276 Resp: 309241

Ion Ratio Lower Upper

276 100

277 22.6 18.3 27.5

138 21.0 15.6 23.4

