

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122123\
 Data File : BF136663.D
 Acq On : 21 Dec 2023 11:03
 Operator : CG\JU
 Sample : PB157501BSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB157501BSD

Quant Time: Dec 21 11:40:01 2023
 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	6.793	152	97569	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	402122	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	204798	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	399178	20.000	ng	0.00
76) Chrysene-d12	13.969	240	208329	20.000	ng	0.00
86) Perylene-d12	15.445	264	158462	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	733078	117.231	ng	0.02
7) Phenol-d6	6.445	99	919008	113.419	ng	0.00
23) Nitrobenzene-d5	7.363	82	583105	74.202	ng	0.00
42) 2,4,6-Tribromophenol	10.628	330	273232	113.282	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1096023	71.980	ng	0.00
79) Terphenyl-d14	12.916	244	1149626	77.117	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.646	88	76001	29.170	ng	98
3) Pyridine	3.416	79	190326	29.939	ng	97
4) n-Nitrosodimethylamine	3.375	42	139043	40.957	ng	95
6) Aniline	6.457	93	212761	26.263	ng	# 1
8) 2-Chlorophenol	6.581	128	293452	42.882	ng	97
9) Benzaldehyde	6.345	77	74643	16.196	ng	99
10) Phenol	6.457	94	338710	39.158	ng	95
11) bis(2-Chloroethyl)ether	6.534	93	269159	40.918	ng	100
12) 1,3-Dichlorobenzene	6.734	146	281416	37.697	ng	99
13) 1,4-Dichlorobenzene	6.810	146	291628	38.233	ng	99
14) 1,2-Dichlorobenzene	6.957	146	278188	39.194	ng	99
15) Benzyl Alcohol	6.940	79	227099	41.544	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.069	45	444194	41.303	ng	97
17) 2-Methylphenol	7.057	107	236169	41.659	ng	97
18) Hexachloroethane	7.298	117	104111	37.583	ng	91
19) n-Nitroso-di-n-propyla...	7.216	70	197630	40.236	ng	96
20) 3+4-Methylphenols	7.210	107	284416	40.158	ng	# 77
22) Acetophenone	7.204	105	392503	38.942	ng	98
24) Nitrobenzene	7.381	77	301624	38.316	ng	94
25) Isophorone	7.616	82	554834	38.802	ng	100
26) 2-Nitrophenol	7.692	139	152761	40.560	ng	100
27) 2,4-Dimethylphenol	7.734	122	232597	50.727	ng	99
28) bis(2-Chloroethoxy)met...	7.822	93	337571	38.838	ng	99
29) 2,4-Dichlorophenol	7.934	162	234711	39.760	ng	98
30) 1,2,4-Trichlorobenzene	8.010	180	250882	38.144	ng	98
31) Naphthalene	8.092	128	838769	37.968	ng	100
32) Benzoic acid	7.881	122	183734	41.413	ng	97
33) 4-Chloroaniline	8.145	127	191400	23.466	ng	96
34) Hexachlorobutadiene	8.204	225	145970	36.528	ng	97
35) Caprolactam	8.528	113	46744	24.003	ng	94
36) 4-Chloro-3-methylphenol	8.639	107	263918	39.713	ng	98
37) 2-Methylnaphthalene	8.781	142	532476	37.452	ng	99
38) 1-Methylnaphthalene	8.881	142	507090	36.354	ng	100
40) 1,2,4,5-Tetrachloroben...	8.951	216	252325	39.783	ng	99
41) Hexachlorocyclopentadiene	8.934	237	197666	96.658	ng	99
43) 2,4,6-Trichlorophenol	9.063	196	166966	41.048	ng	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.116	196	184683	40.744	ng	# 93
46) 1,1'-Biphenyl	9.251	154	670804	39.033	ng	99
47) 2-Chloronaphthalene	9.275	162	499613	38.241	ng	99
48) 2-Nitroaniline	9.375	65	171409	41.897	ng	99
49) Acenaphthylene	9.692	152	818767	41.001	ng	100
50) Dimethylphthalate	9.557	163	606738	40.560	ng	99
51) 2,6-Dinitrotoluene	9.622	165	134227	39.537	ng	91
52) Acenaphthene	9.863	154	478837	38.682	ng	100
53) 3-Nitroaniline	9.792	138	117136	32.571	ng	91
54) 2,4-Dinitrophenol	9.904	184	152479	80.990	ng	91
55) Dibenzofuran	10.033	168	730129	38.910	ng	99
56) 4-Nitrophenol	9.969	139	196584	80.974	ng	95
57) 2,4-Dinitrotoluene	10.028	165	169529	38.466	ng	96
58) Fluorene	10.381	166	575325	38.642	ng	97
59) 2,3,4,6-Tetrachlorophenol	10.157	232	154713	44.341	ng	100
60) Diethylphthalate	10.257	149	612362	39.454	ng	99
61) 4-Chlorophenyl-phenyle...	10.369	204	272248	37.619	ng	100
62) 4-Nitroaniline	10.410	138	135708	39.144	ng	96
63) Azobenzene	10.533	77	583426	40.246	ng	99
65) 4,6-Dinitro-2-methylph...	10.439	198	96625	42.237	ng	91
66) n-Nitrosodiphenylamine	10.492	169	517262	39.890	ng	98
67) 4-Bromophenyl-phenylether	10.863	248	172576	38.928	ng	98
68) Hexachlorobenzene	10.928	284	191588	38.780	ng	98
69) Atrazine	11.028	200	132542	39.963	ng	98
70) Pentachlorophenol	11.128	266	165746	71.977	ng	96
71) Phenanthrene	11.345	178	822382	40.151	ng	99
72) Anthracene	11.398	178	818018	39.436	ng	99
73) Carbazole	11.557	167	755365	38.624	ng	100
74) Di-n-butylphthalate	11.886	149	969099	40.609	ng	99
75) Fluoranthene	12.533	202	838256	38.261	ng	97
77) Benzidine	12.657	184	30839	5.020	ng	# 95
78) Pyrene	12.763	202	836000	40.878	ng	99
80) Butylbenzylphthalate	13.386	149	330381	44.397	ng	94
81) Benzo(a)anthracene	13.963	228	575753	39.800	ng	99
82) 3,3'-Dichlorobenzidine	13.921	252	162806	39.629	ng	# 99
83) Chrysene	13.998	228	556433	39.334	ng	99
84) Bis(2-ethylhexyl)phtha...	13.951	149	412439	44.051	ng	99
85) Di-n-octyl phthalate	14.568	149	643072	44.402	ng	99
87) Indeno(1,2,3-cd)pyrene	16.951	276	558450	48.811	ng	99
88) Benzo(b)fluoranthene	15.016	252	491993	46.485	ng	99
89) Benzo(k)fluoranthene	15.045	252	452299	45.227	ng	98
90) Benzo(a)pyrene	15.386	252	413148	46.245	ng	98
91) Dibenzo(a,h)anthracene	16.968	278	462413	49.264	ng	98
92) Benzo(g,h,i)perylene	17.409	276	457166	47.554	ng	100

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

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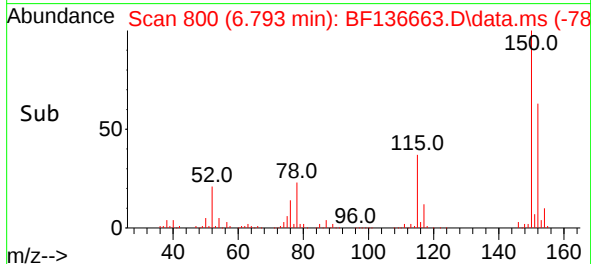
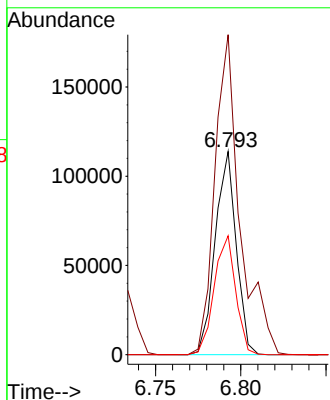
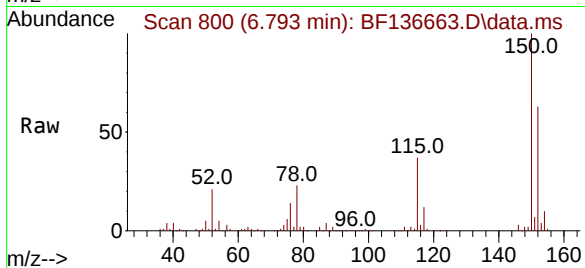




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.793 min Scan# 80
 Delta R.T. 0.001 min
 Lab File: BF136663.D
 Acq: 21 Dec 2023 11:03

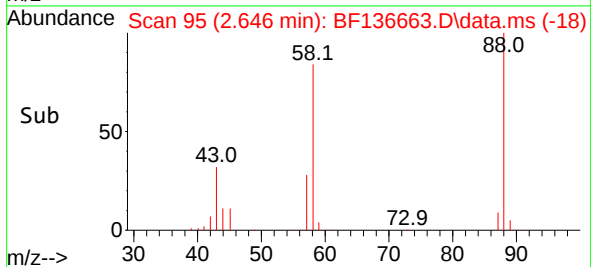
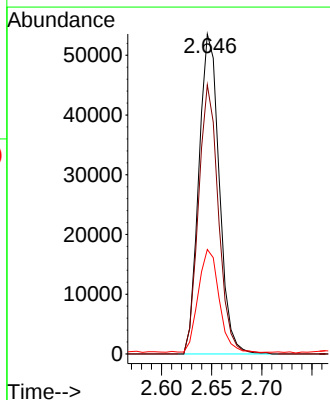
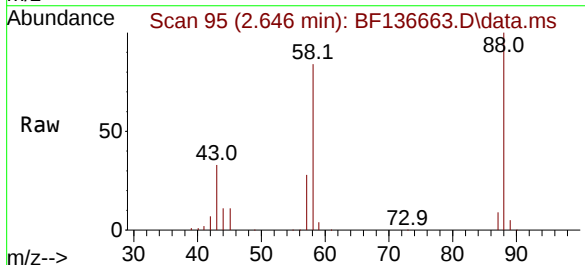
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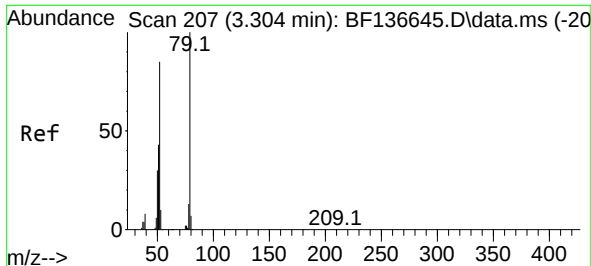
Tgt Ion:152 Resp: 97569
 Ion Ratio Lower Upper
 152 100
 150 157.5 127.0 190.6
 115 58.5 49.0 73.4



#2
 1,4-Dioxane
 Concen: 29.170 ng
 RT: 2.646 min Scan# 95
 Delta R.T. 0.100 min
 Lab File: BF136663.D
 Acq: 21 Dec 2023 11:03

Tgt Ion: 88 Resp: 76001
 Ion Ratio Lower Upper
 88 100
 58 82.2 67.4 101.0
 43 33.0 27.7 41.5

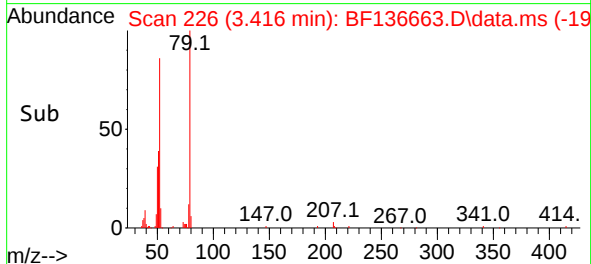
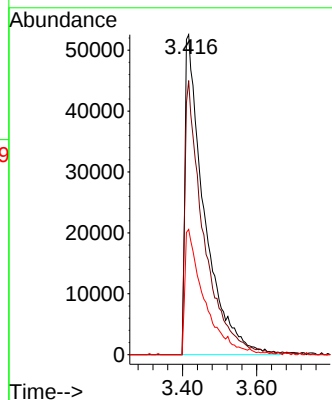
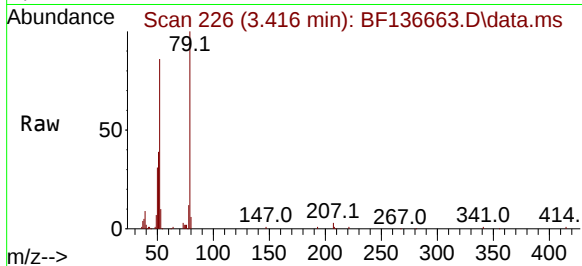




#3
Pyridine
Concen: 29.939 ng
RT: 3.416 min Scan# 219
Delta R.T. 0.112 min
Lab File: BF136663.D
Acq: 21 Dec 2023 11:03

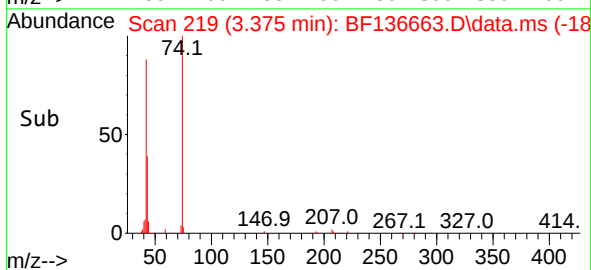
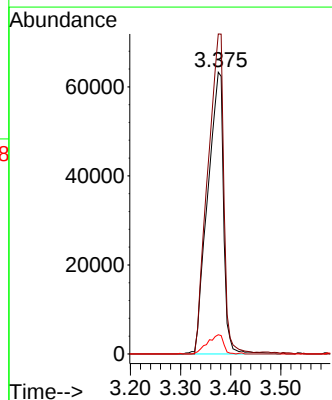
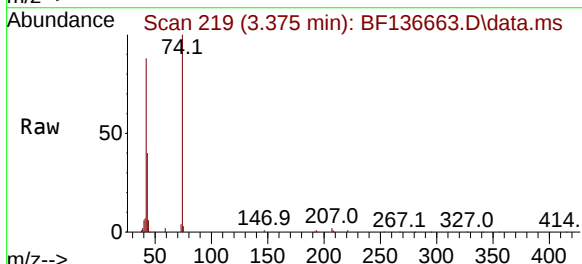
Instrument :
BNA_F
ClientSampleId :
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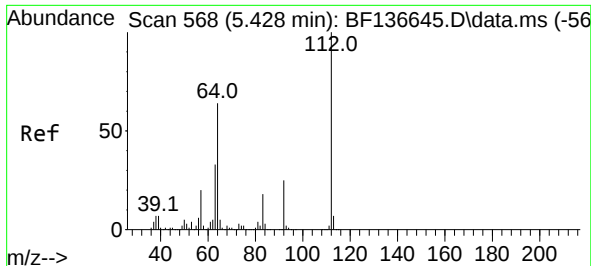
Tgt Ion: 79 Resp: 190326
Ion Ratio Lower Upper
79 100
52 85.6 67.7 101.5
51 39.2 34.0 51.0



#4
n-Nitrosodimethylamine
Concen: 40.957 ng
RT: 3.375 min Scan# 219
Delta R.T. 0.100 min
Lab File: BF136663.D
Acq: 21 Dec 2023 11:03

Tgt Ion: 42 Resp: 139043
Ion Ratio Lower Upper
42 100
74 113.6 96.0 144.0
44 6.8 5.4 8.2

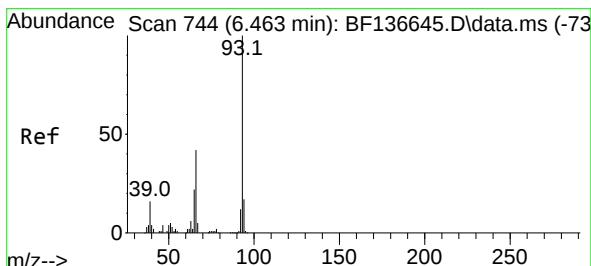
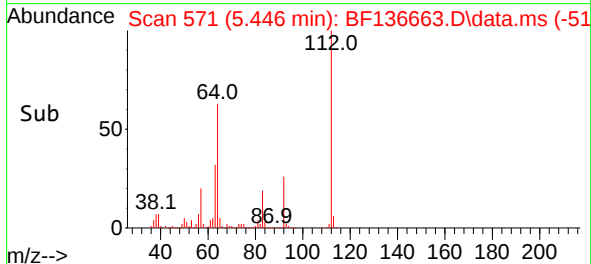
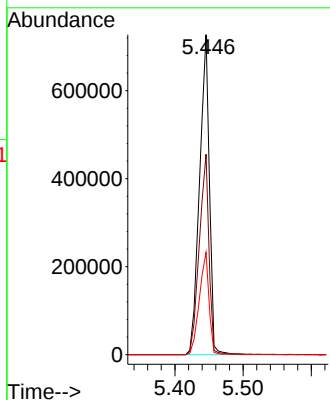
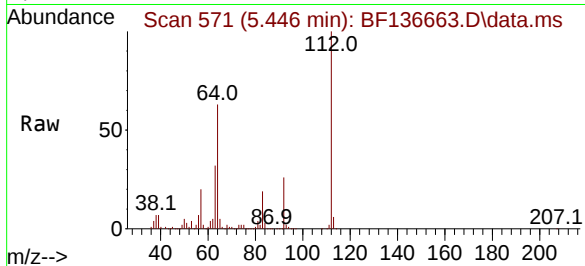




#5
2-Fluorophenol
Concen: 117.231 ng
RT: 5.446 min Scan# 51
Delta R.T. 0.018 min
Lab File: BF136663.D
Acq: 21 Dec 2023 11:03

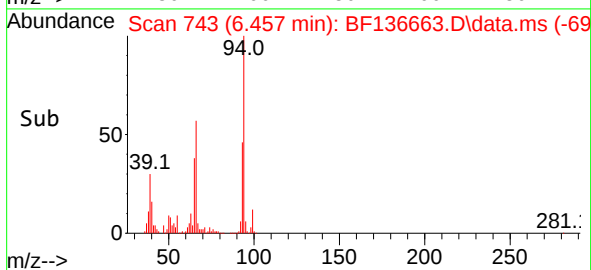
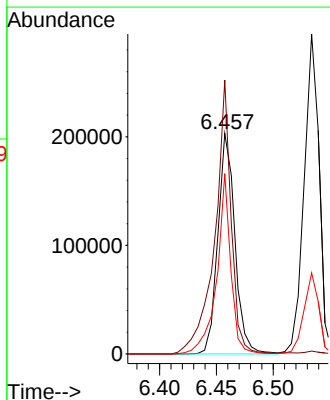
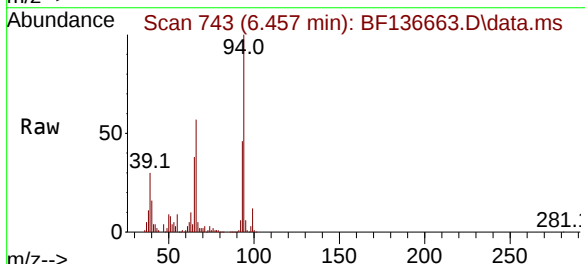
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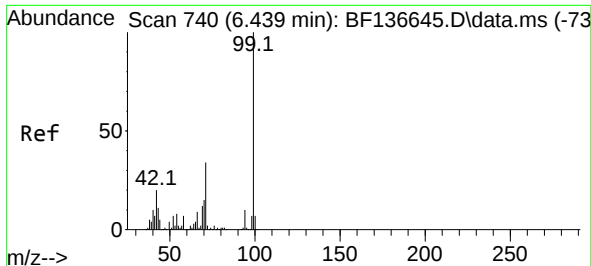
Tgt Ion:112 Resp: 733078
Ion Ratio Lower Upper
112 100
64 62.6 51.1 76.7
63 32.0 26.1 39.1



#6
Aniline
Concen: 26.263 ng
RT: 6.457 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF136663.D
Acq: 21 Dec 2023 11:03

Tgt Ion: 93 Resp: 212761
Ion Ratio Lower Upper
93 100
66 124.1 34.6 51.8#
65 81.7 17.8 26.8#





#7

Phenol-d6

Concen: 113.419 ng

RT: 6.445 min Scan# 741

Delta R.T. 0.006 min

Lab File: BF136663.D

Acq: 21 Dec 2023 11:03

Instrument :

BNA_F

ClientSampleId :

PB157501BSD

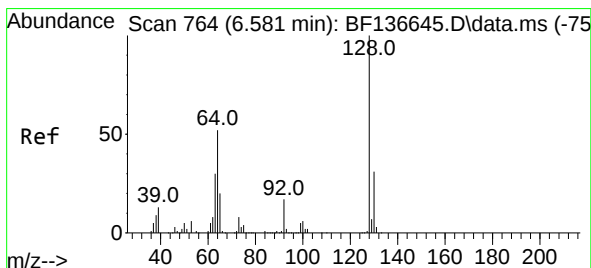
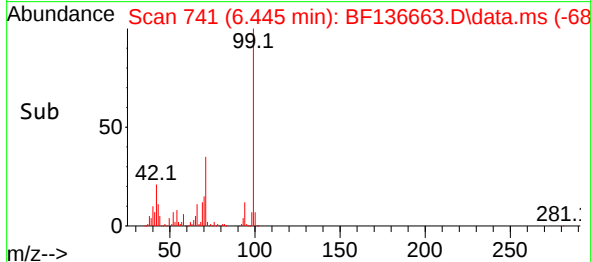
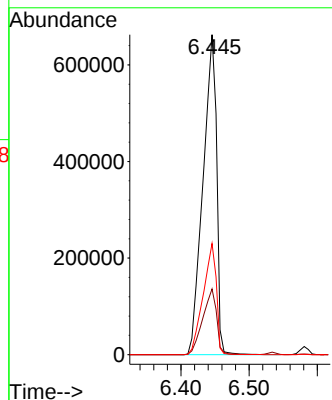
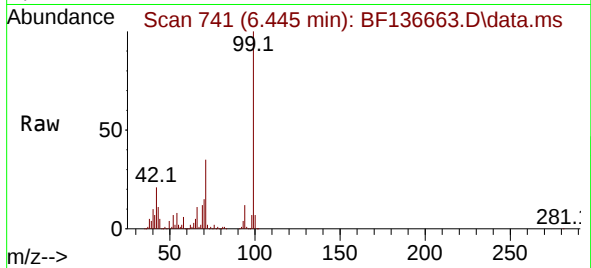
Tgt Ion: 99 Resp: 919008

Ion Ratio Lower Upper

99 100

42 20.5 16.1 24.1

71 34.8 27.4 41.2



#8

2-Chlorophenol

Concen: 42.882 ng

RT: 6.581 min Scan# 764

Delta R.T. 0.000 min

Lab File: BF136663.D

Acq: 21 Dec 2023 11:03

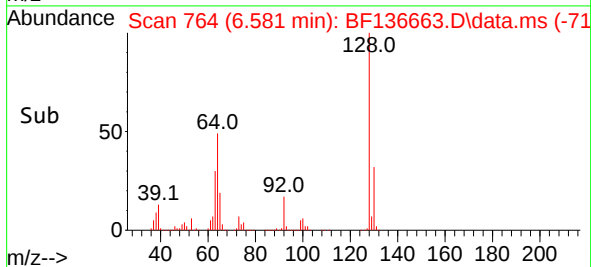
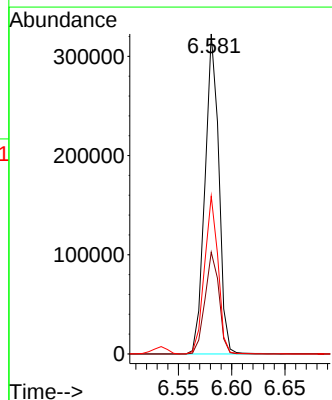
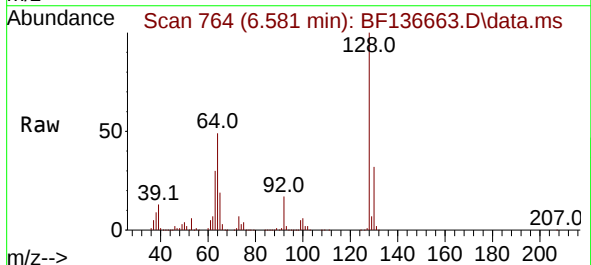
Tgt Ion:128 Resp: 293452

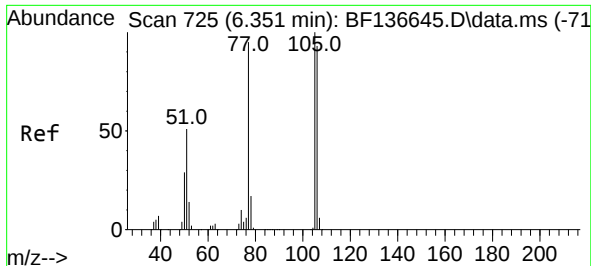
Ion Ratio Lower Upper

128 100

130 31.8 11.3 51.3

64 49.3 32.5 72.5

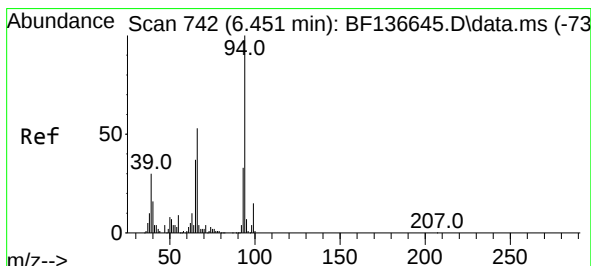
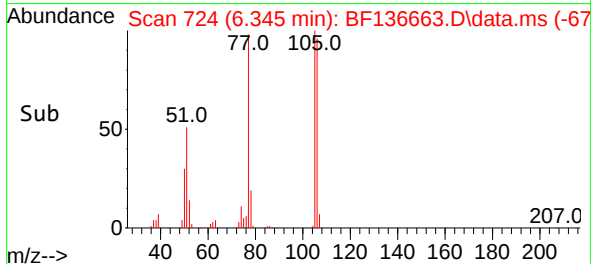
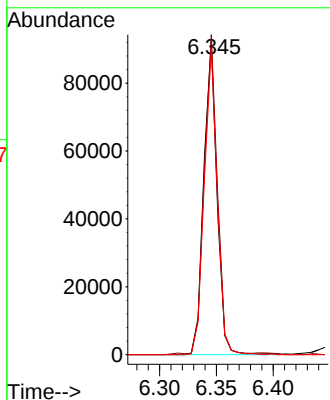
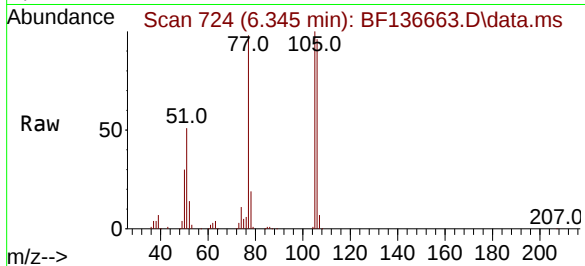




#9
Benzaldehyde
Concen: 16.196 ng
RT: 6.345 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF136663.D
Acq: 21 Dec 2023 11:03

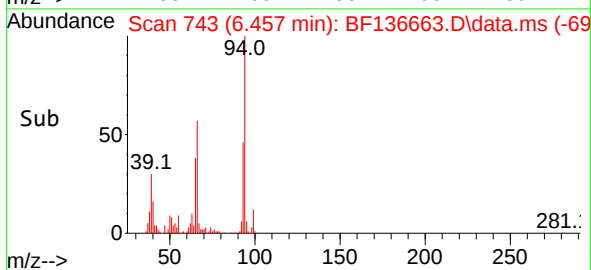
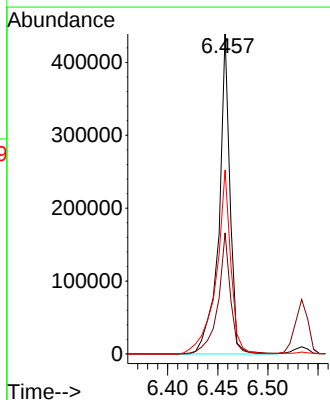
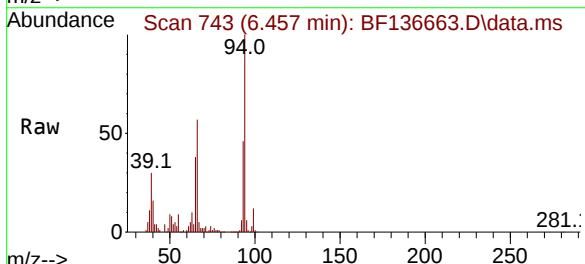
Instrument :
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ClientSampleId :
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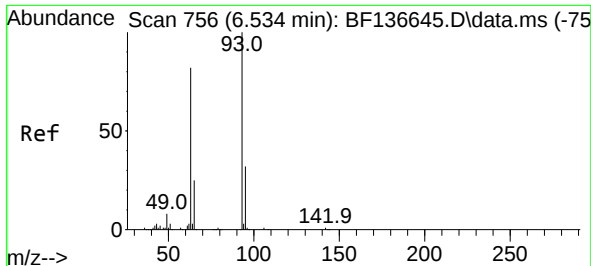
Tgt Ion: 77 Resp: 74643
Ion Ratio Lower Upper
77 100
105 102.2 84.8 124.8
106 98.0 77.8 117.8



#10
Phenol
Concen: 39.158 ng
RT: 6.457 min Scan# 743
Delta R.T. 0.006 min
Lab File: BF136663.D
Acq: 21 Dec 2023 11:03

Tgt Ion: 94 Resp: 338710
Ion Ratio Lower Upper
94 100
65 37.8 16.6 56.6
66 57.4 32.6 72.6





#11

bis(2-Chloroethyl)ether

Concen: 40.918 ng

RT: 6.534 min Scan# 756

Delta R.T. 0.000 min

Lab File: BF136663.D

Acq: 21 Dec 2023 11:03

Instrument :

BNA_F

ClientSampleId :

PB157501BSD

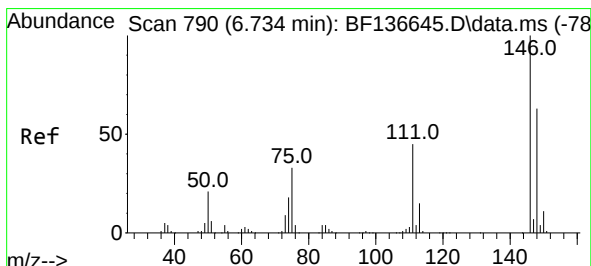
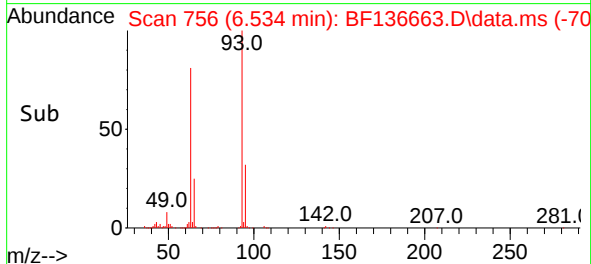
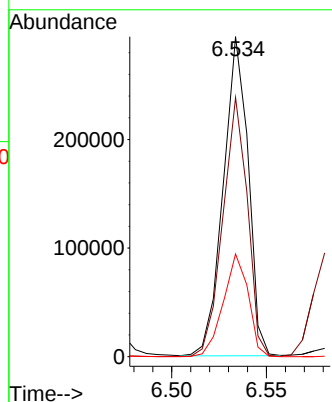
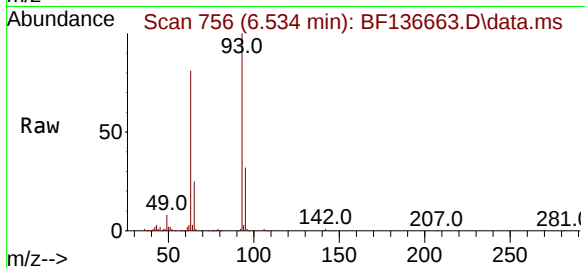
Tgt Ion: 93 Resp: 269159

Ion Ratio Lower Upper

93 100

63 81.0 61.2 101.2

95 32.1 11.6 51.6



#12

1,3-Dichlorobenzene

Concen: 37.697 ng

RT: 6.734 min Scan# 790

Delta R.T. 0.000 min

Lab File: BF136663.D

Acq: 21 Dec 2023 11:03

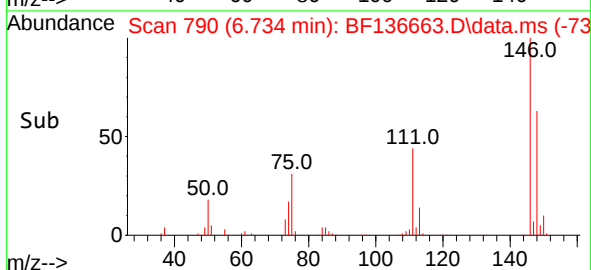
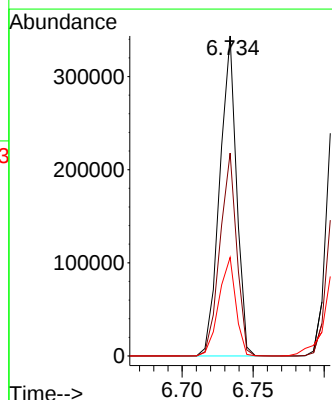
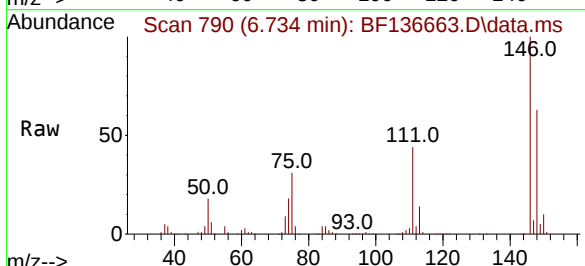
Tgt Ion: 146 Resp: 281416

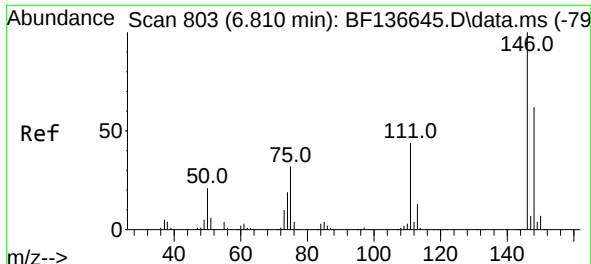
Ion Ratio Lower Upper

146 100

148 63.4 50.5 75.7

75 30.8 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 38.233 ng

RT: 6.810 min Scan# 803

Delta R.T. 0.000 min

Lab File: BF136663.D

Acq: 21 Dec 2023 11:03

Instrument :

BNA_F

ClientSampleId :

PB157501BSD

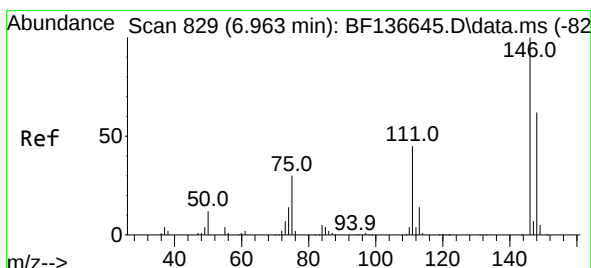
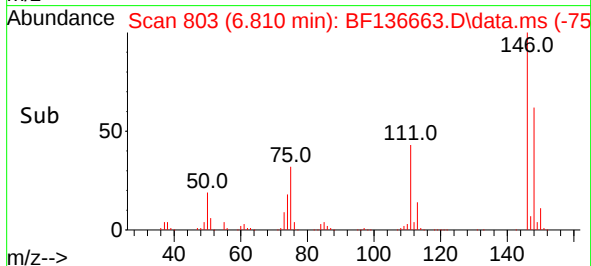
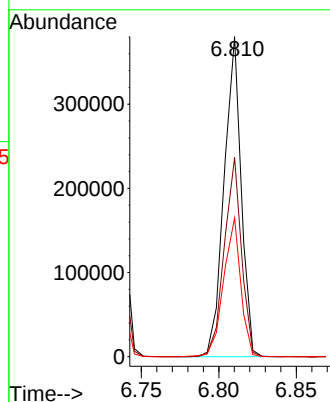
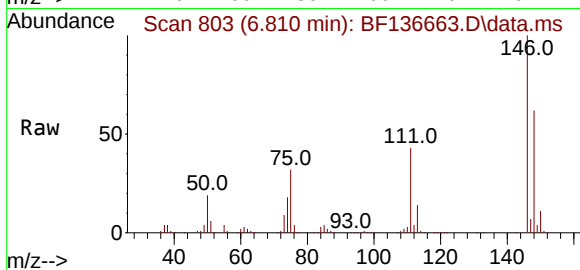
Tgt Ion:146 Resp: 291628

Ion Ratio Lower Upper

146 100

148 62.2 49.2 73.8

111 43.3 35.2 52.8



#14

1,2-Dichlorobenzene

Concen: 39.194 ng

RT: 6.957 min Scan# 828

Delta R.T. -0.006 min

Lab File: BF136663.D

Acq: 21 Dec 2023 11:03

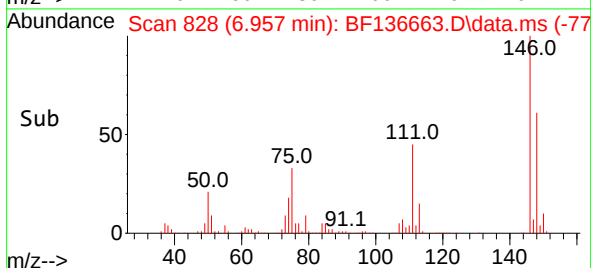
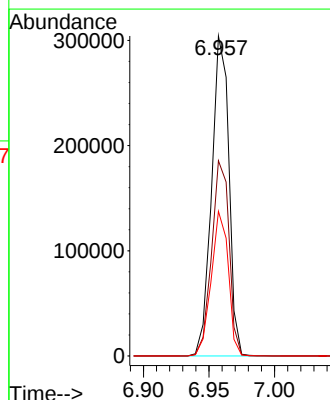
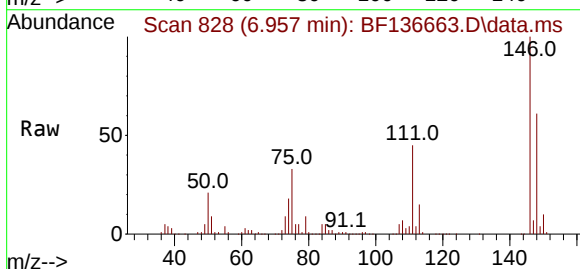
Tgt Ion:146 Resp: 278188

Ion Ratio Lower Upper

146 100

148 61.0 49.6 74.4

111 45.2 36.2 54.2

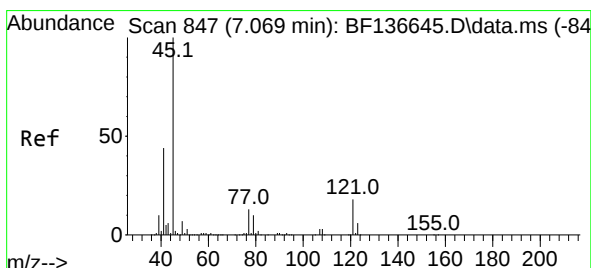
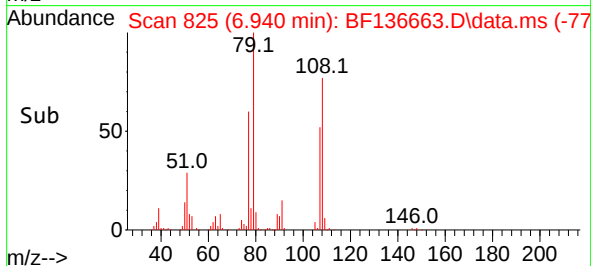
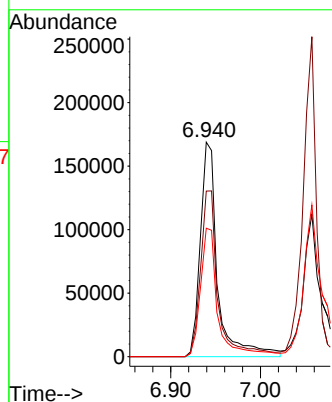
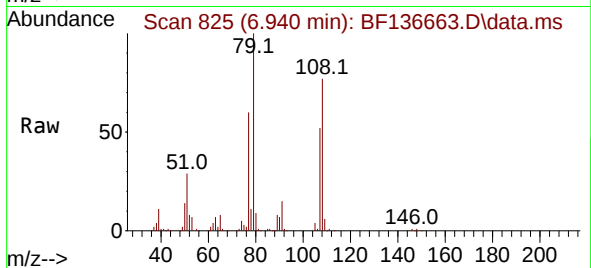




#15
Benzyl Alcohol
Concen: 41.544 ng
RT: 6.940 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF136663.D
Acq: 21 Dec 2023 11:03

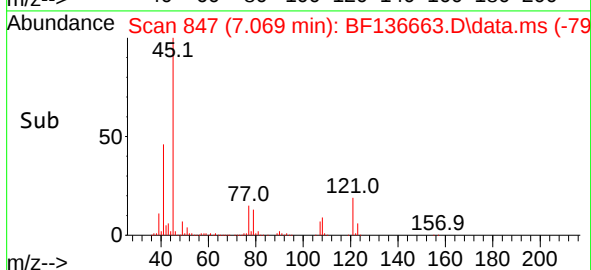
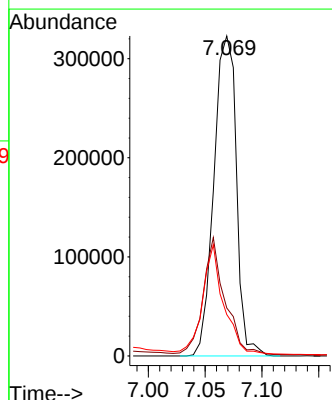
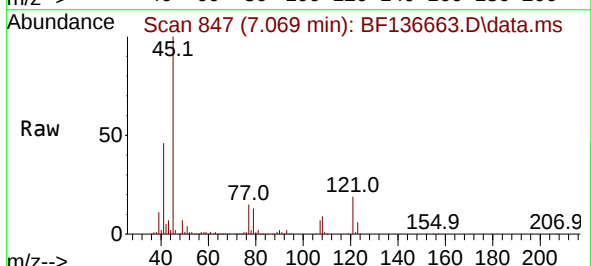
Instrument :
BNA_F
ClientSampleId :
PB157501BSD

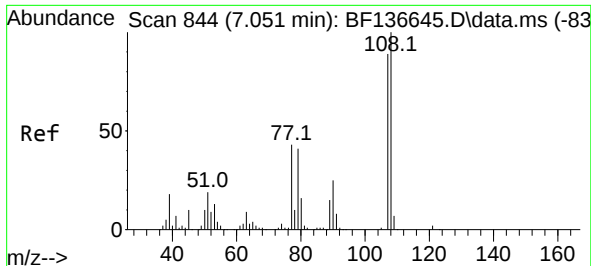
Tgt Ion: 79 Resp: 227099
Ion Ratio Lower Upper
79 100
108 77.1 61.0 91.6
77 59.9 49.8 74.8



#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.303 ng
RT: 7.069 min Scan# 847
Delta R.T. 0.000 min
Lab File: BF136663.D
Acq: 21 Dec 2023 11:03

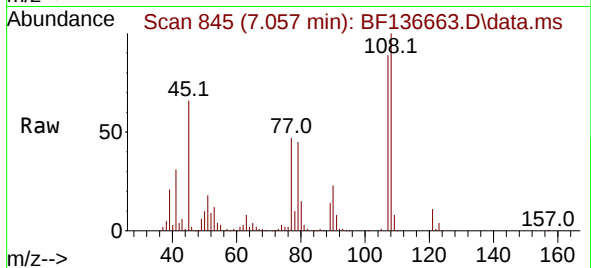
Tgt Ion: 45 Resp: 444194
Ion Ratio Lower Upper
45 100
77 15.0 0.0 34.3
79 13.0 0.0 31.4



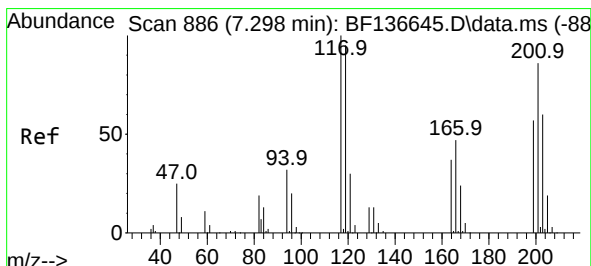
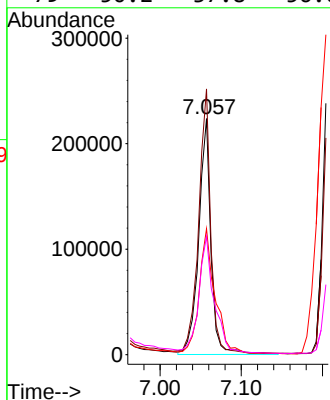
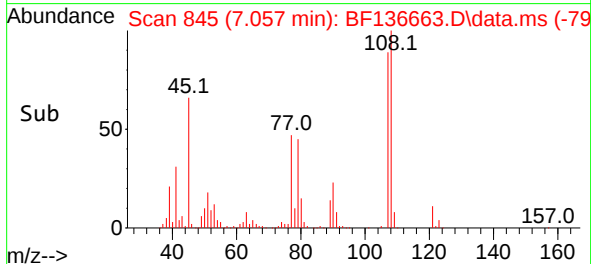


#17
2-Methylphenol
Concen: 41.659 ng
RT: 7.057 min Scan# 844
Delta R.T. 0.006 min
Lab File: BF136663.D
Acq: 21 Dec 2023 11:03

Instrument :
BNA_F
ClientSampleId :
PB157501BSD

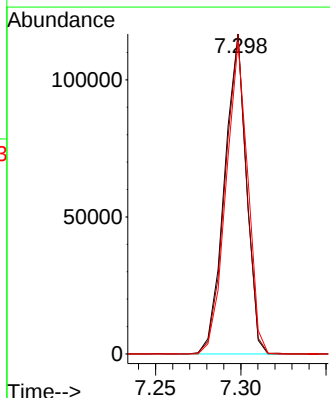
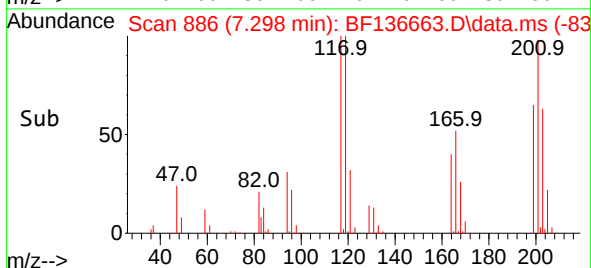
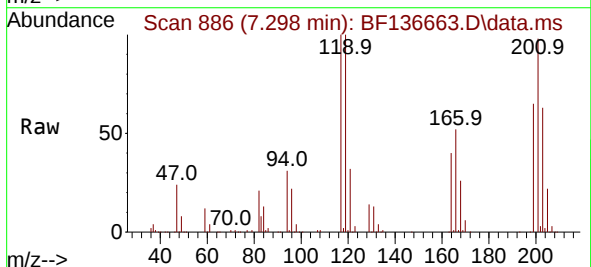


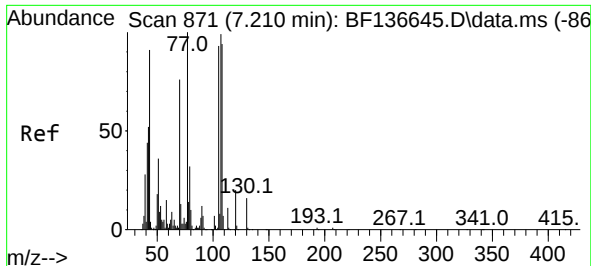
Tgt Ion:	107	Resp:	236169
Ion	Ratio	Lower	Upper
107	100		
108	112.6	90.3	135.5
77	53.4	38.7	58.1
79	50.2	37.8	56.6



#18
Hexachloroethane
Concen: 37.583 ng
RT: 7.298 min Scan# 886
Delta R.T. 0.000 min
Lab File: BF136663.D
Acq: 21 Dec 2023 11:03

Tgt Ion:	117	Resp:	104111
Ion	Ratio	Lower	Upper
117	100		
119	100.0	75.8	113.6
201	97.6	69.1	103.7

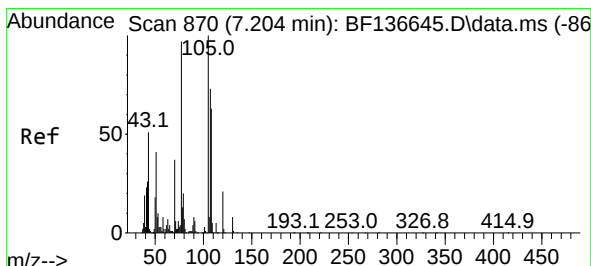
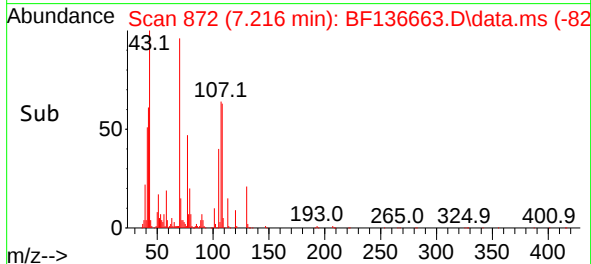
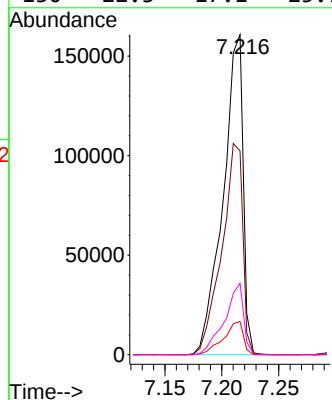
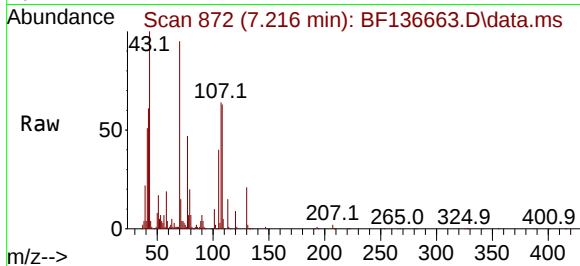




#19
n-Nitroso-di-n-propylamine
Concen: 40.236 ng
RT: 7.216 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF136663.D
Acq: 21 Dec 2023 11:03

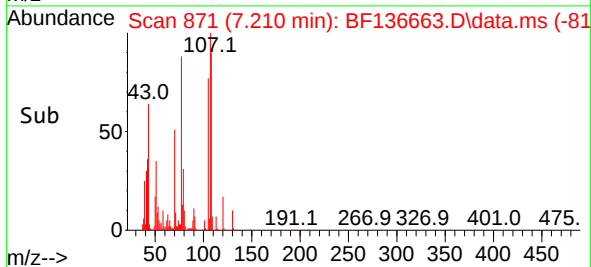
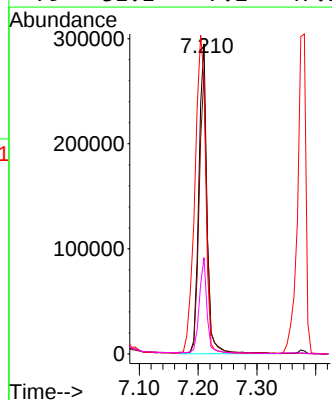
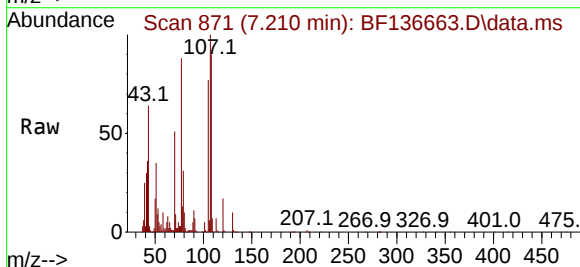
Instrument :
BNA_F
ClientSampleId :
PB157501BSD

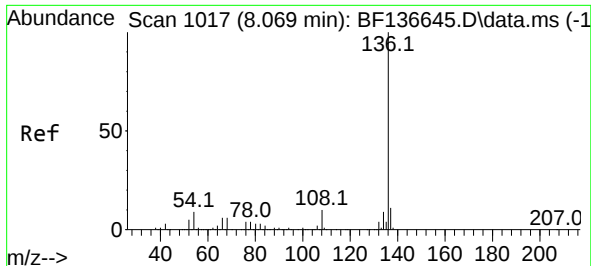
Tgt Ion: 70 Resp: 197630
Ion Ratio Lower Upper
70 100
42 63.7 54.2 81.4
101 10.4 7.6 11.4
130 22.3 17.1 25.7



#20
3+4-Methylphenols
Concen: 40.158 ng
RT: 7.210 min Scan# 871
Delta R.T. 0.006 min
Lab File: BF136663.D
Acq: 21 Dec 2023 11:03

Tgt Ion: 107 Resp: 284416
Ion Ratio Lower Upper
107 100
108 90.3 66.0 106.0
77 88.2 114.2 154.2#
79 31.1 7.2 47.2



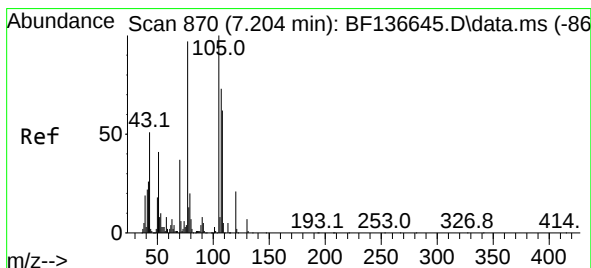
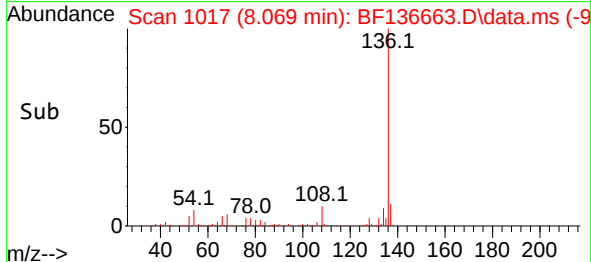
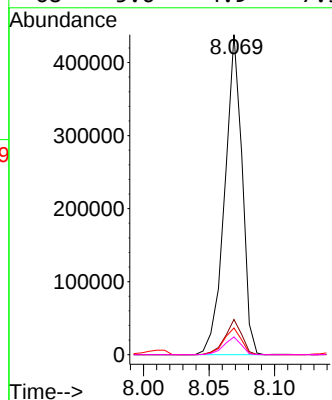
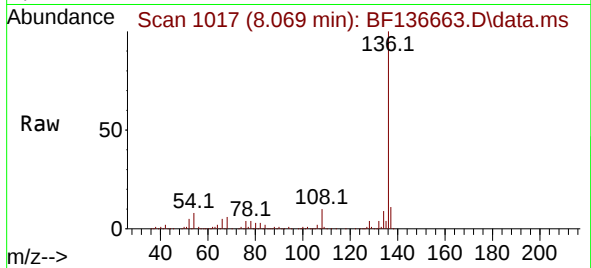


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. 0.000 min
Lab File: BF136663.D
Acq: 21 Dec 2023 11:03

Instrument :
BNA_F
ClientSampleId :
PB157501BSD

Tgt Ion:136 Resp: 402122

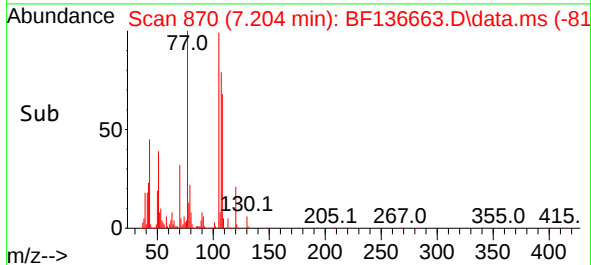
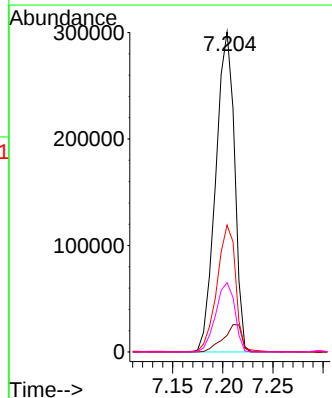
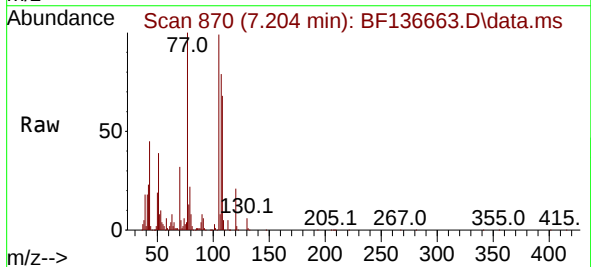
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	8.4	7.2	10.8
68	5.6	4.9	7.3

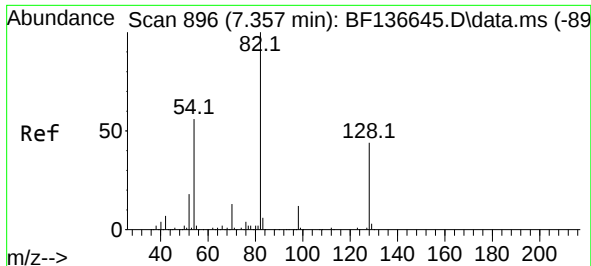


#22
Acetophenone
Concen: 38.942 ng
RT: 7.204 min Scan# 870
Delta R.T. 0.000 min
Lab File: BF136663.D
Acq: 21 Dec 2023 11:03

Tgt Ion:105 Resp: 392503

Ion	Ratio	Lower	Upper
105	100		
71	5.2	4.8	7.2
51	39.7	32.8	49.2
120	21.7	17.0	25.6





#23

Nitrobenzene-d5

Concen: 74.202 ng

RT: 7.363 min Scan# 89

Delta R.T. 0.006 min

Lab File: BF136663.D

Acq: 21 Dec 2023 11:03

Instrument :

BNA_F

ClientSampleId :

PB157501BSD

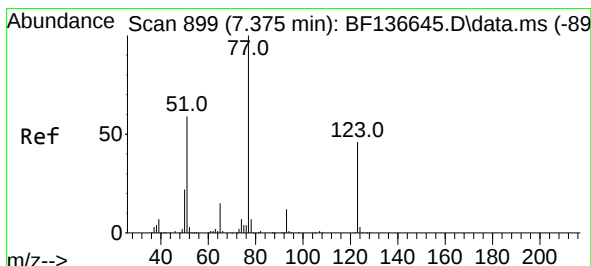
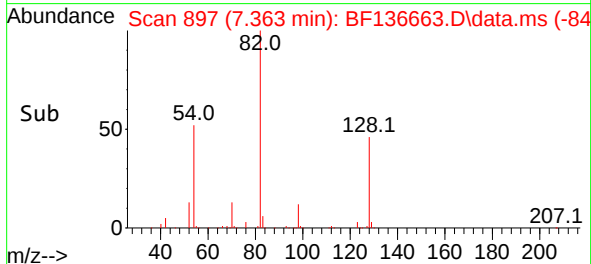
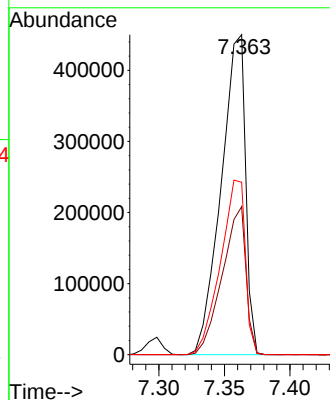
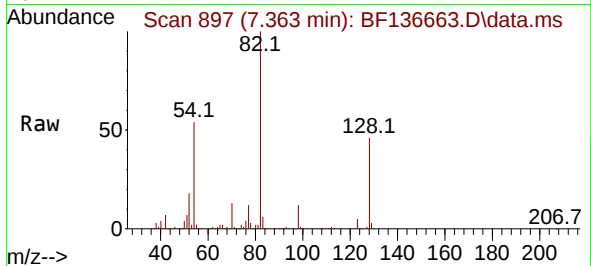
Tgt Ion: 82 Resp: 583105

Ion Ratio Lower Upper

82 100

128 46.3 35.3 52.9

54 53.9 44.5 66.7



#24

Nitrobenzene

Concen: 38.316 ng

RT: 7.381 min Scan# 900

Delta R.T. 0.006 min

Lab File: BF136663.D

Acq: 21 Dec 2023 11:03

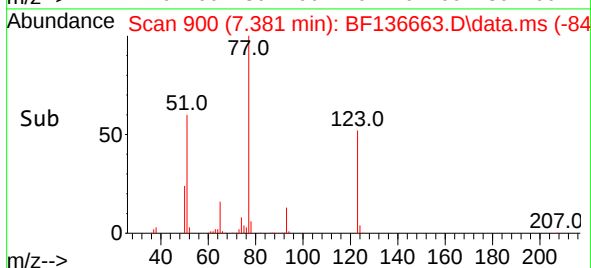
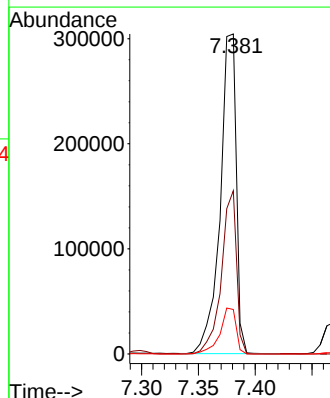
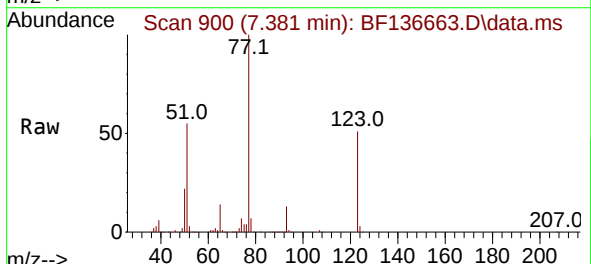
Tgt Ion: 77 Resp: 301624

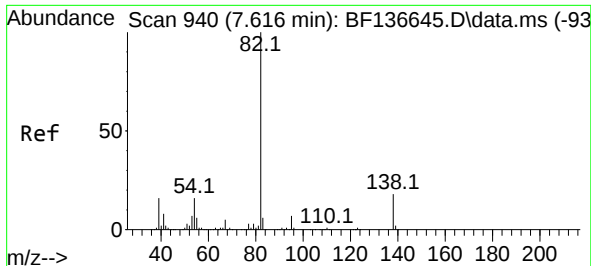
Ion Ratio Lower Upper

77 100

123 51.0 36.7 55.1

65 13.9 11.8 17.6

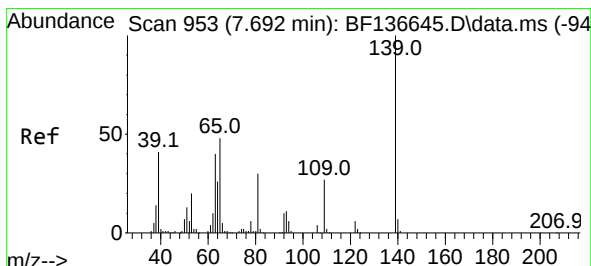
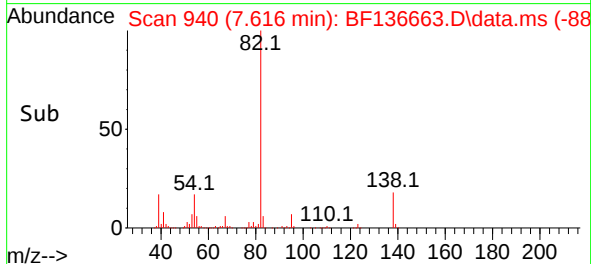
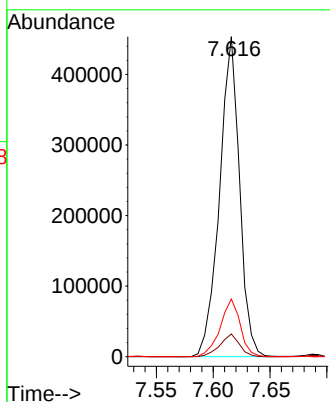
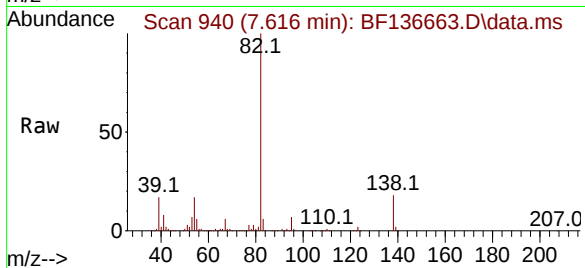




#25
Isophorone
Concen: 38.802 ng
RT: 7.616 min Scan# 940
Delta R.T. 0.000 min
Lab File: BF136663.D
Acq: 21 Dec 2023 11:03

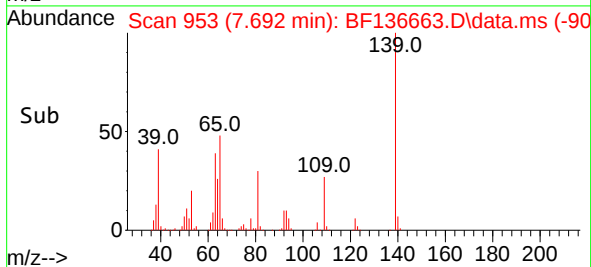
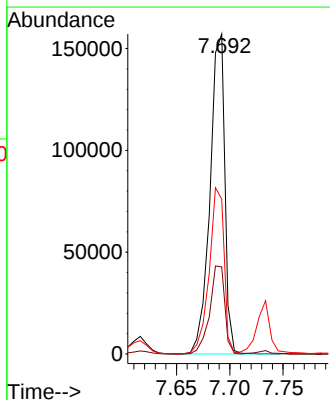
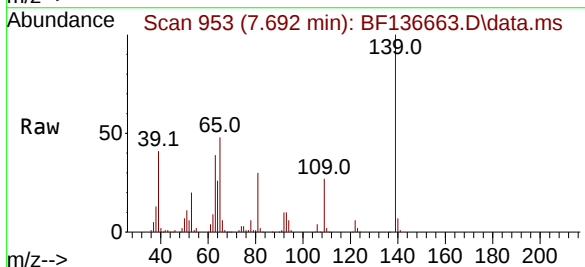
Instrument :
BNA_F
ClientSampleId :
PB157501BSD

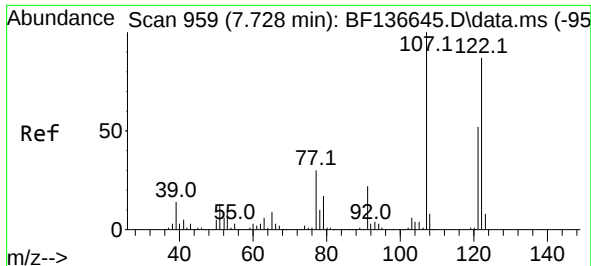
Tgt Ion: 82 Resp: 554834
Ion Ratio Lower Upper
82 100
95 7.1 5.5 8.3
138 18.1 14.5 21.7



#26
2-Nitrophenol
Concen: 40.560 ng
RT: 7.692 min Scan# 953
Delta R.T. 0.000 min
Lab File: BF136663.D
Acq: 21 Dec 2023 11:03

Tgt Ion: 139 Resp: 152761
Ion Ratio Lower Upper
139 100
109 27.2 21.9 32.9
65 48.4 38.6 58.0





#27

2,4-Dimethylphenol

Concen: 50.727 ng

RT: 7.734 min Scan# 9

Delta R.T. 0.006 min

Lab File: BF136663.D

Acq: 21 Dec 2023 11:03

Instrument :

BNA_F

ClientSampleId :

PB157501BSD

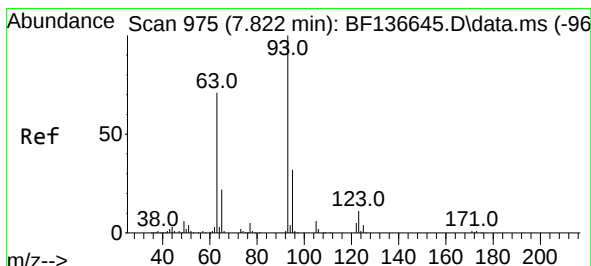
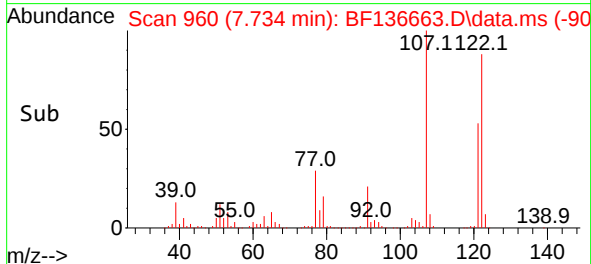
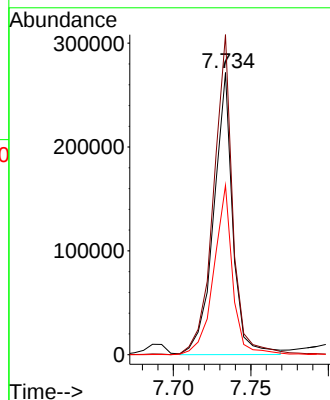
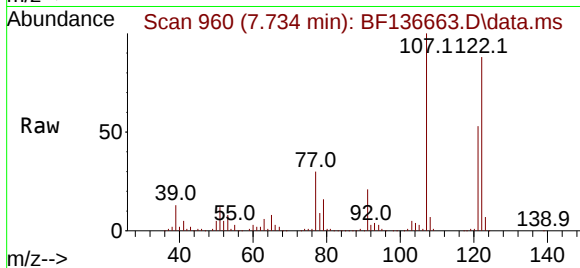
Tgt Ion:122 Resp: 232597

Ion Ratio Lower Upper

122 100

107 113.5 92.0 138.0

121 60.0 47.5 71.3



#28

bis(2-Chloroethoxy)methane

Concen: 38.838 ng

RT: 7.822 min Scan# 975

Delta R.T. 0.000 min

Lab File: BF136663.D

Acq: 21 Dec 2023 11:03

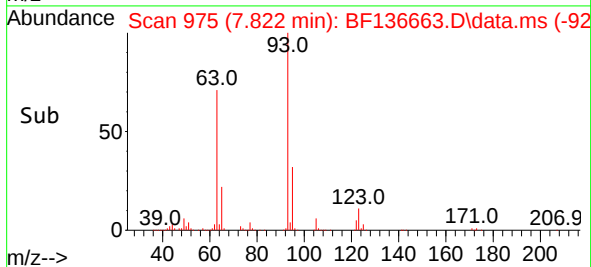
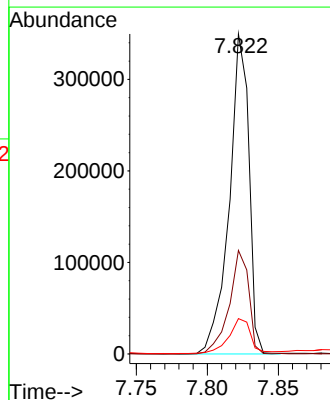
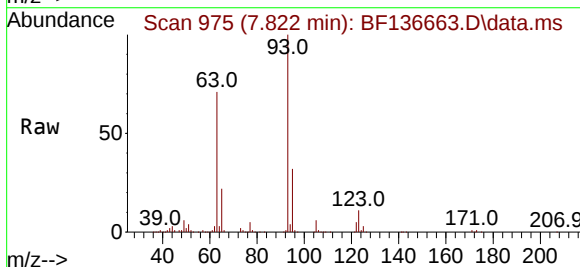
Tgt Ion: 93 Resp: 337571

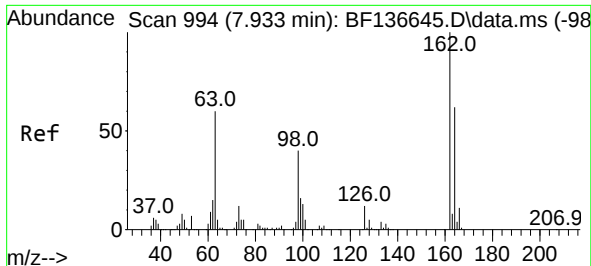
Ion Ratio Lower Upper

93 100

95 32.3 25.5 38.3

123 11.1 9.2 13.8





#29

2,4-Dichlorophenol

Concen: 39.760 ng

RT: 7.934 min Scan# 994

Delta R.T. 0.000 min

Lab File: BF136663.D

Acq: 21 Dec 2023 11:03

Instrument :

BNA_F

ClientSampleId :

PB157501BSD

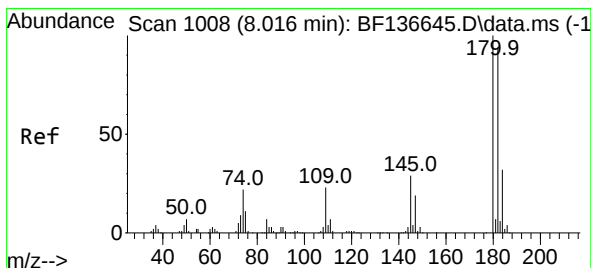
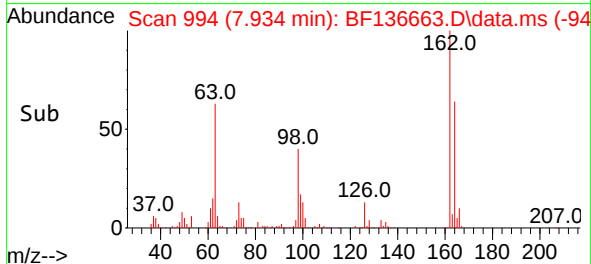
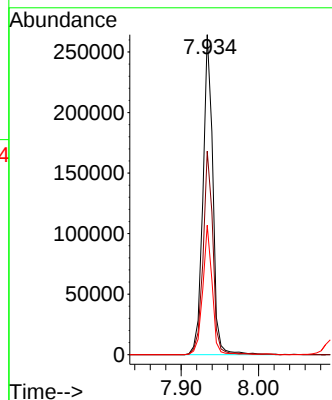
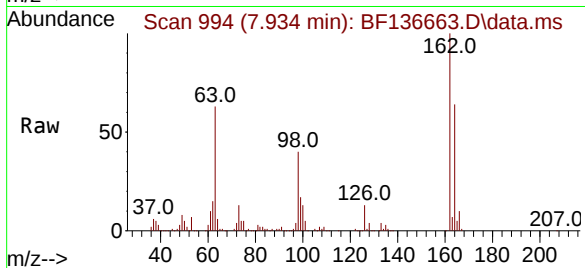
Tgt Ion:162 Resp: 234711

Ion Ratio Lower Upper

162 100

164 63.6 41.7 81.7

98 40.4 19.5 59.5



#30

1,2,4-Trichlorobenzene

Concen: 38.144 ng

RT: 8.010 min Scan# 1007

Delta R.T. -0.006 min

Lab File: BF136663.D

Acq: 21 Dec 2023 11:03

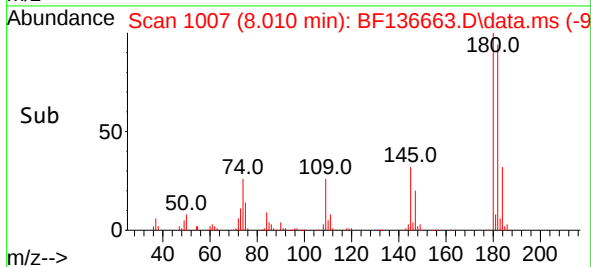
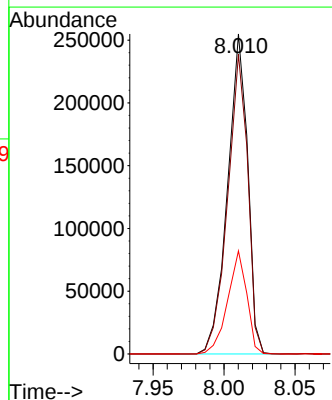
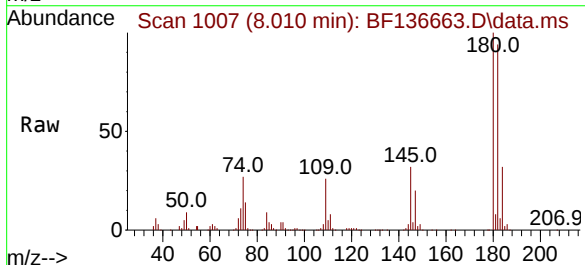
Tgt Ion:180 Resp: 250882

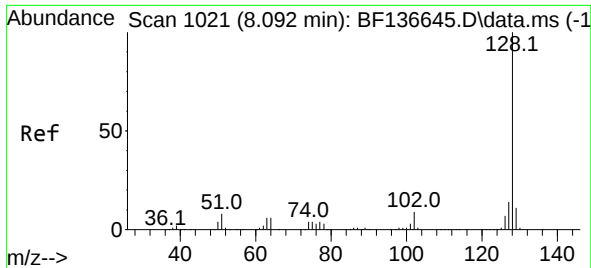
Ion Ratio Lower Upper

180 100

182 93.6 75.4 113.0

145 32.2 23.1 34.7

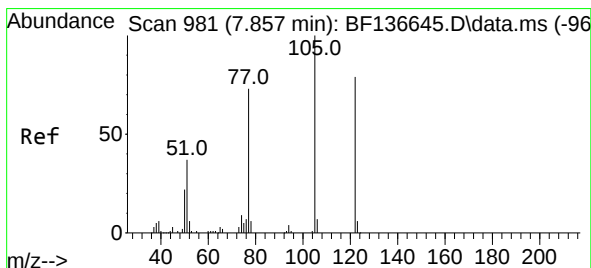
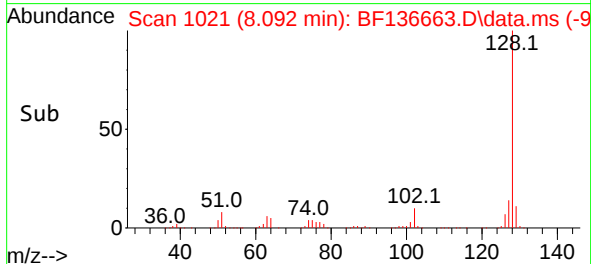
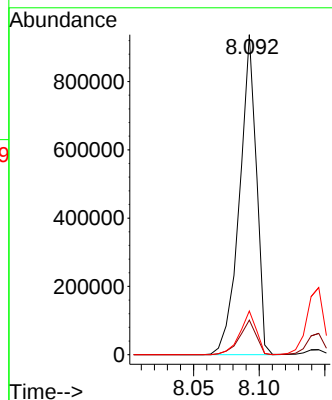
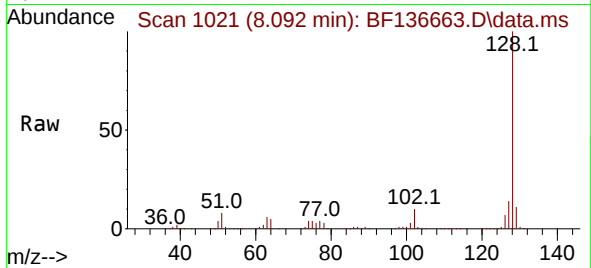




#31
Naphthalene
Concen: 37.968 ng
RT: 8.092 min Scan# 1021
Delta R.T. 0.000 min
Lab File: BF136663.D
Acq: 21 Dec 2023 11:03

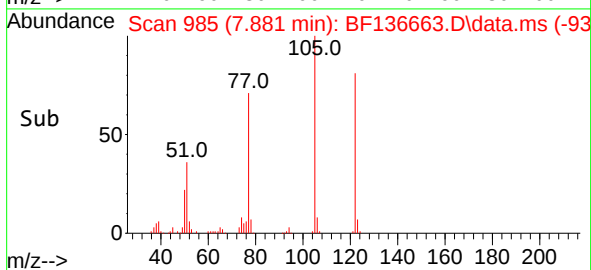
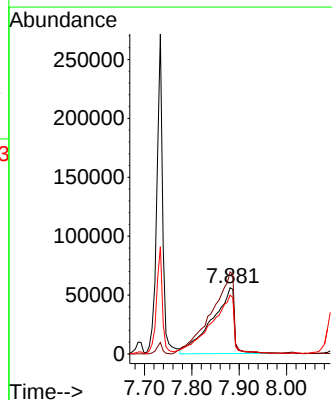
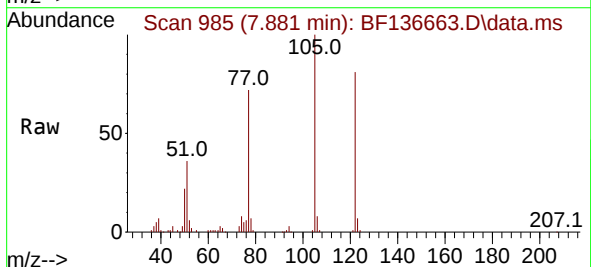
Instrument :
BNA_F
ClientSampleId :
PB157501BSD

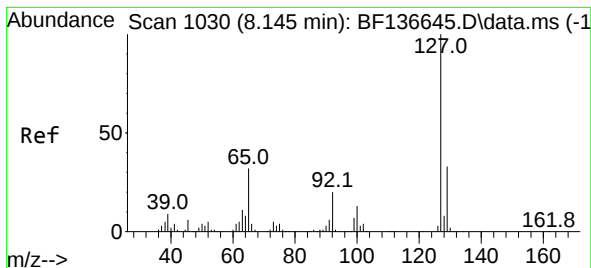
Tgt Ion:128 Resp: 838769
Ion Ratio Lower Upper
128 100
129 10.8 8.7 13.1
127 13.7 10.8 16.2



#32
Benzoic acid
Concen: 41.413 ng
RT: 7.881 min Scan# 985
Delta R.T. 0.024 min
Lab File: BF136663.D
Acq: 21 Dec 2023 11:03

Tgt Ion:122 Resp: 183734
Ion Ratio Lower Upper
122 100
105 123.9 100.8 140.8
77 88.8 70.9 110.9





#33

4-Chloroaniline

Concen: 23.466 ng

RT: 8.145 min Scan# 1030

Delta R.T. 0.000 min

Lab File: BF136663.D

Acq: 21 Dec 2023 11:03

Instrument :

BNA_F

ClientSampleId :

PB157501BSD

Tgt Ion:127 Resp: 191400

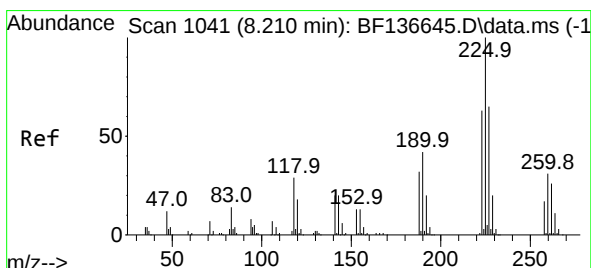
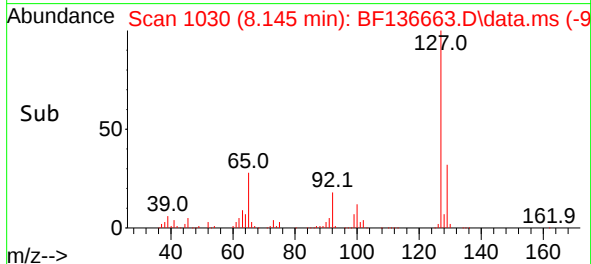
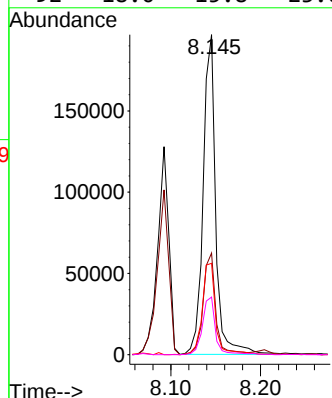
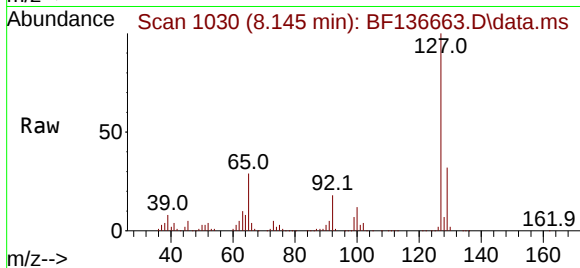
Ion Ratio Lower Upper

127 100

129 31.8 26.3 39.5

65 28.5 25.8 38.8

92 18.0 15.8 23.6



#34

Hexachlorobutadiene

Concen: 36.528 ng

RT: 8.204 min Scan# 1040

Delta R.T. -0.006 min

Lab File: BF136663.D

Acq: 21 Dec 2023 11:03

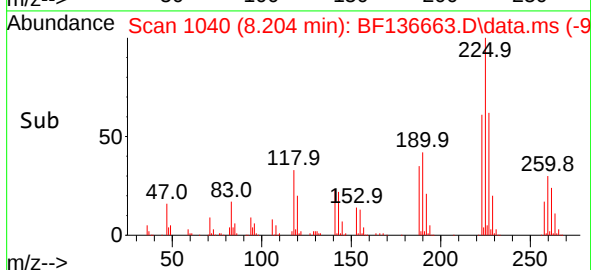
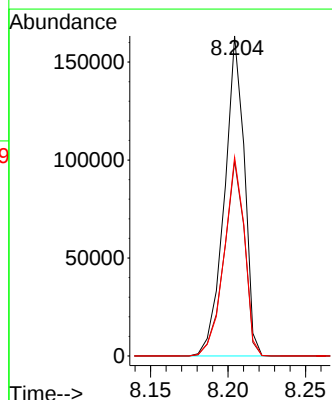
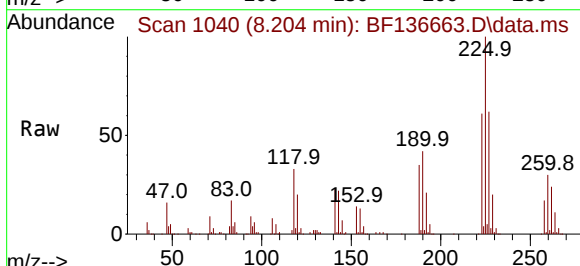
Tgt Ion:225 Resp: 145970

Ion Ratio Lower Upper

225 100

223 61.0 50.6 76.0

227 62.2 51.9 77.9

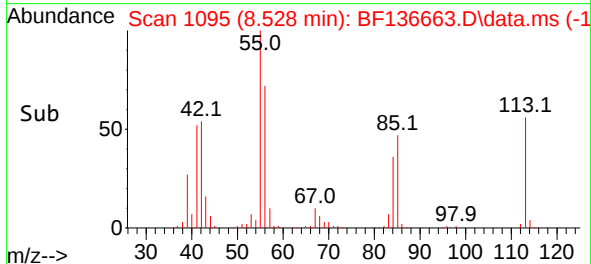
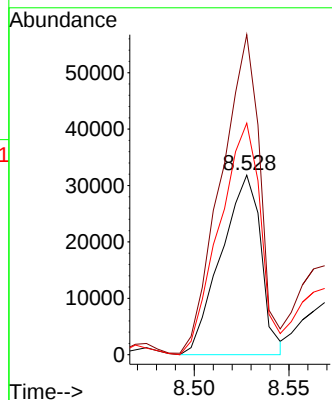
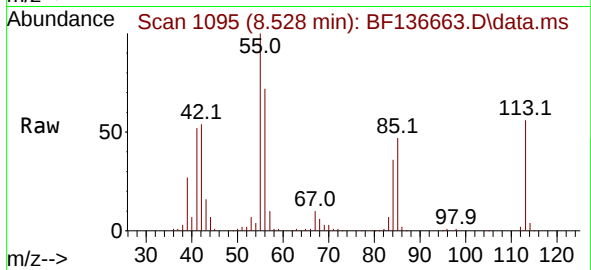




#35
 Caprolactam
 Concen: 24.003 ng
 RT: 8.528 min Scan# 1094
 Delta R.T. 0.006 min
 Lab File: BF136663.D
 Acq: 21 Dec 2023 11:03

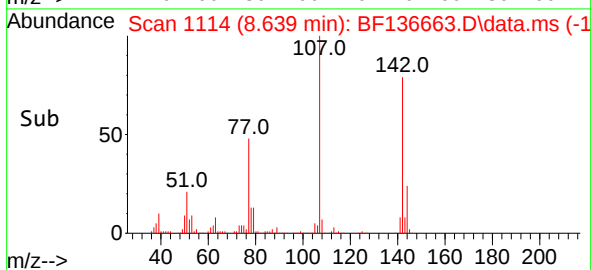
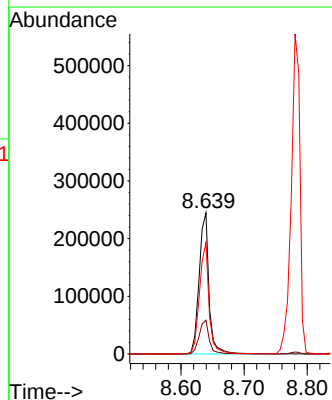
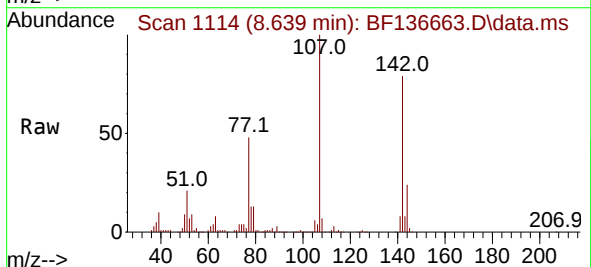
Instrument :
 BNA_F
 ClientSampleId :
 PB157501BSD

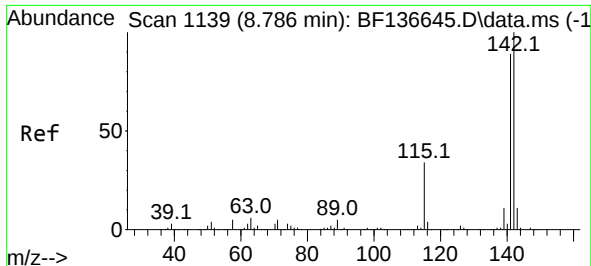
Tgt Ion:113 Resp: 46744
 Ion Ratio Lower Upper
 113 100
 55 178.2 163.1 203.1
 56 128.9 121.7 161.7



#36
 4-Chloro-3-methylphenol
 Concen: 39.713 ng
 RT: 8.639 min Scan# 1114
 Delta R.T. 0.006 min
 Lab File: BF136663.D
 Acq: 21 Dec 2023 11:03

Tgt Ion:107 Resp: 263918
 Ion Ratio Lower Upper
 107 100
 144 23.9 20.2 30.2
 142 78.9 62.3 93.5





#37

2-Methylnaphthalene

Concen: 37.452 ng

RT: 8.781 min Scan# 1139

Delta R.T. -0.006 min

Lab File: BF136663.D

Acq: 21 Dec 2023 11:03

Instrument :

BNA_F

ClientSampleId :

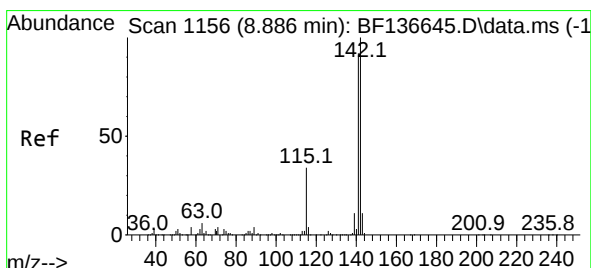
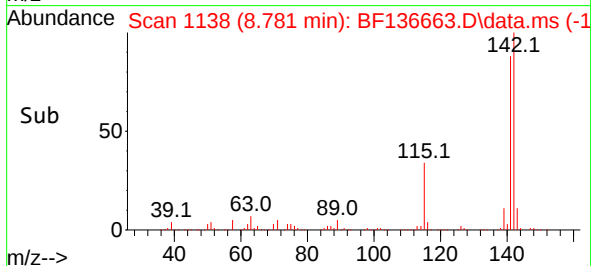
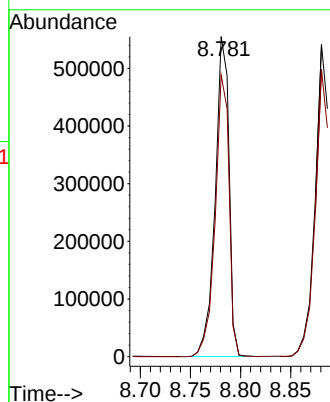
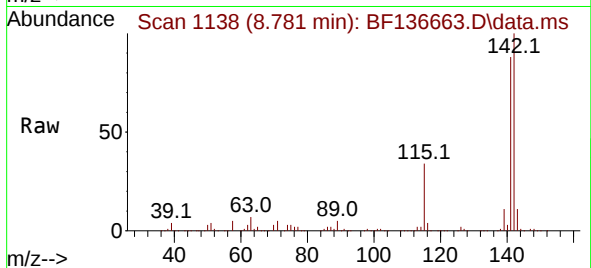
PB157501BSD

Tgt Ion:142 Resp: 532476

Ion Ratio Lower Upper

142 100

141 88.0 71.1 106.7



#38

1-Methylnaphthalene

Concen: 36.354 ng

RT: 8.881 min Scan# 1155

Delta R.T. -0.006 min

Lab File: BF136663.D

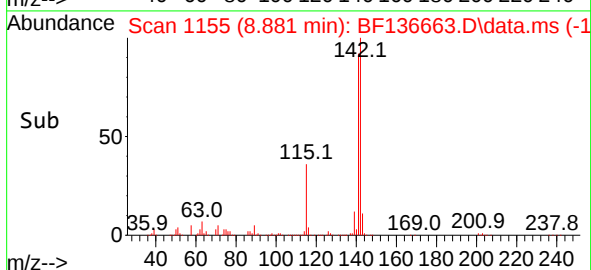
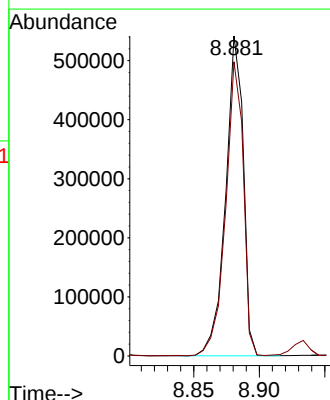
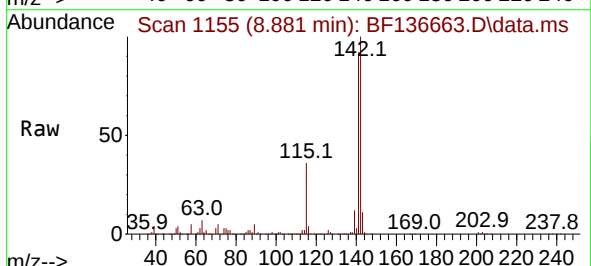
Acq: 21 Dec 2023 11:03

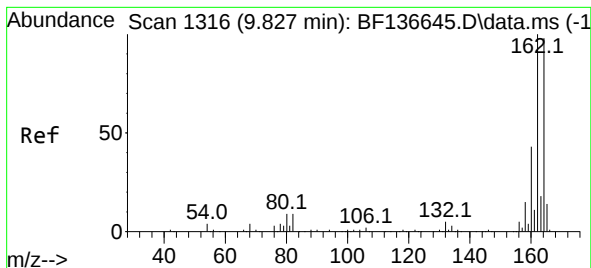
Tgt Ion:142 Resp: 507090

Ion Ratio Lower Upper

142 100

141 92.0 73.6 110.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1167

Delta R.T. 0.000 min

Lab File: BF136663.D

Acq: 21 Dec 2023 11:03

Instrument :

BNA_F

ClientSampleId :

PB157501BSD

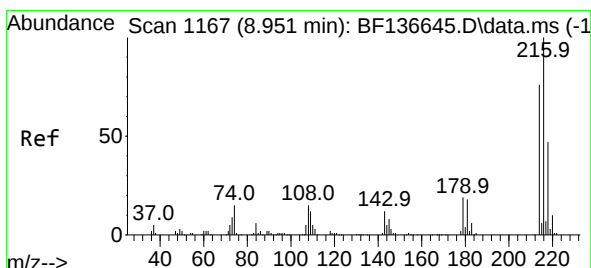
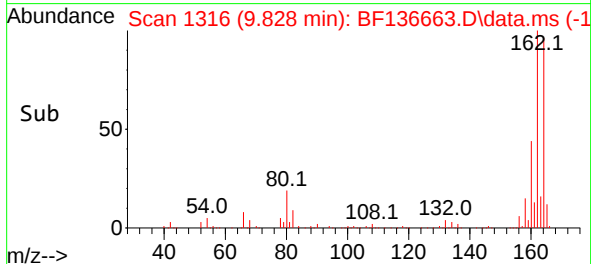
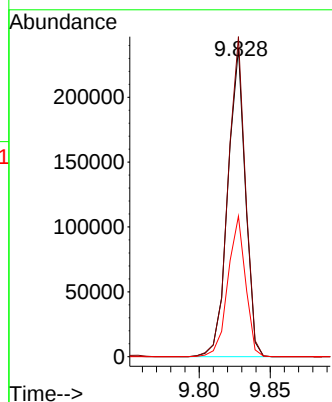
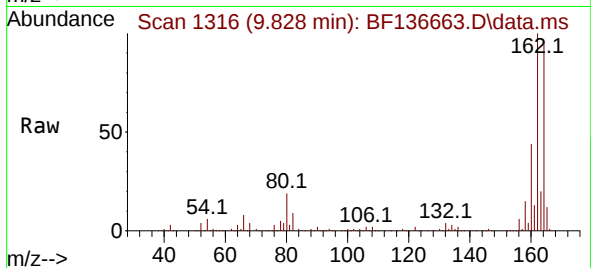
Tgt Ion:164 Resp: 204798

Ion Ratio Lower Upper

164 100

162 103.7 81.6 122.4

160 45.5 34.9 52.3



#40

1,2,4,5-Tetrachlorobenzene

Concen: 39.783 ng

RT: 8.951 min Scan# 1167

Delta R.T. 0.000 min

Lab File: BF136663.D

Acq: 21 Dec 2023 11:03

Tgt Ion:216 Resp: 252325

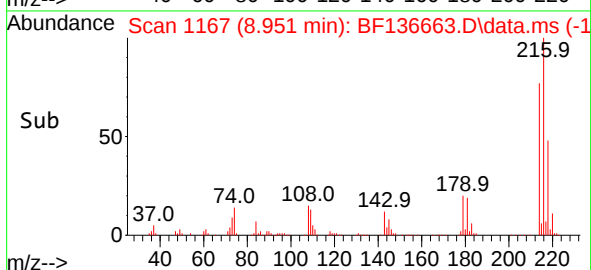
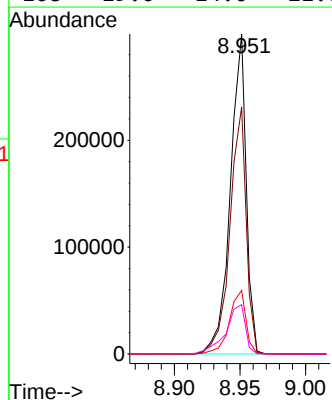
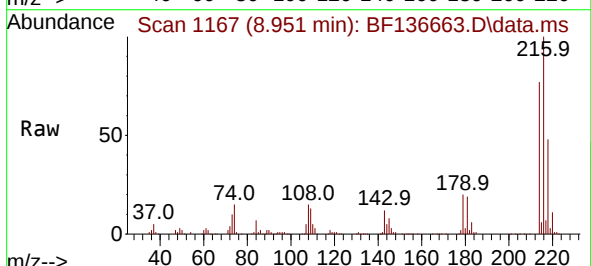
Ion Ratio Lower Upper

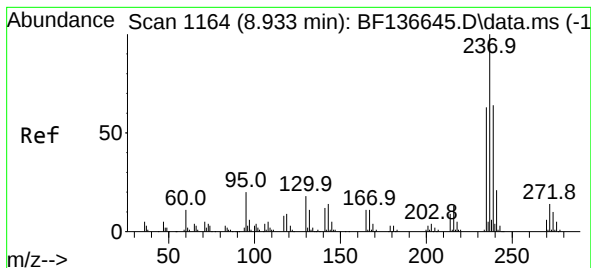
216 100

214 79.1 62.3 93.5

179 20.6 16.4 24.6

108 19.0 14.0 21.0





#41

Hexachlorocyclopentadiene

Concen: 96.658 ng

RT: 8.934 min Scan# 1164

Delta R.T. 0.000 min

Lab File: BF136663.D

Acq: 21 Dec 2023 11:03

Instrument :

BNA_F

ClientSampleId :

PB157501BSD

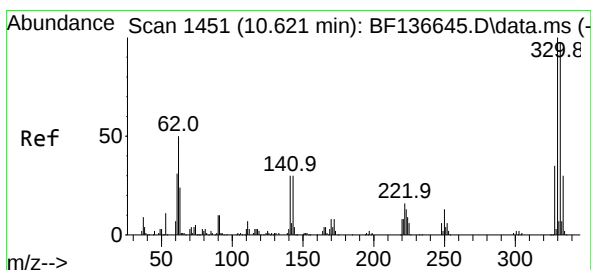
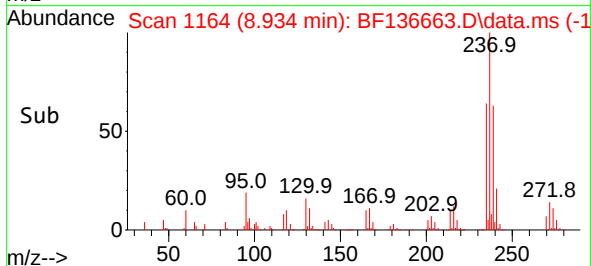
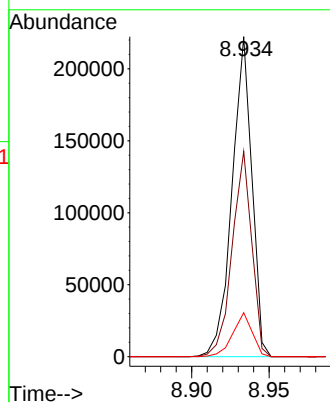
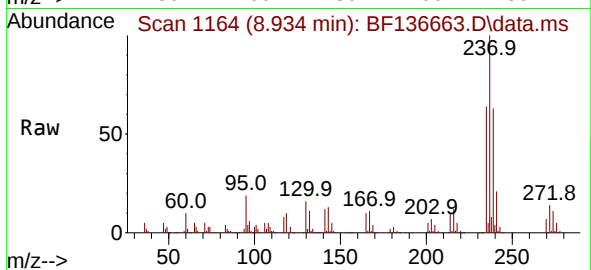
Tgt Ion:237 Resp: 197666

Ion Ratio Lower Upper

237 100

235 64.1 43.2 83.2

272 13.8 0.0 34.2



#42

2,4,6-Tribromophenol

Concen: 113.282 ng

RT: 10.628 min Scan# 1452

Delta R.T. 0.006 min

Lab File: BF136663.D

Acq: 21 Dec 2023 11:03

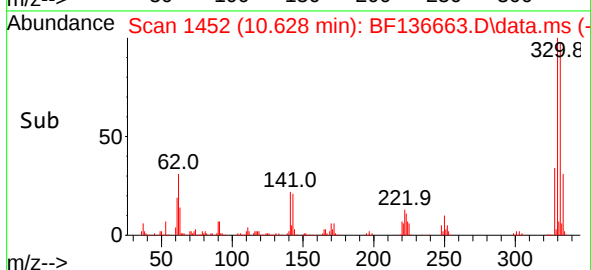
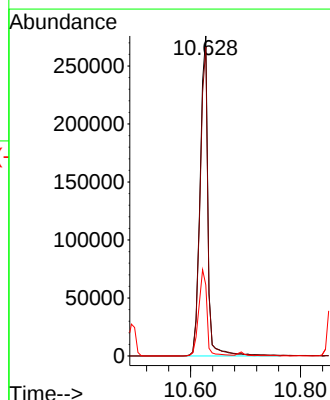
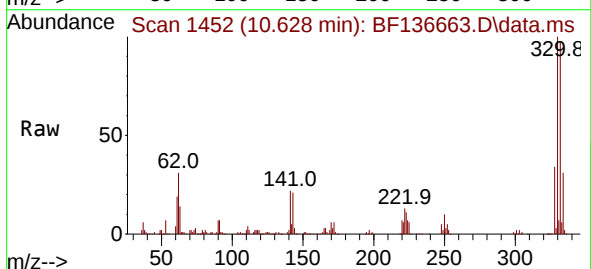
Tgt Ion:330 Resp: 273232

Ion Ratio Lower Upper

330 100

332 97.1 77.4 116.0

141 28.1 23.4 35.2





#43

2,4,6-Trichlorophenol

Concen: 41.048 ng

RT: 9.063 min Scan# 1186

Delta R.T. 0.000 min

Lab File: BF136663.D

Acq: 21 Dec 2023 11:03

Instrument :

BNA_F

ClientSampleId :

PB157501BSD

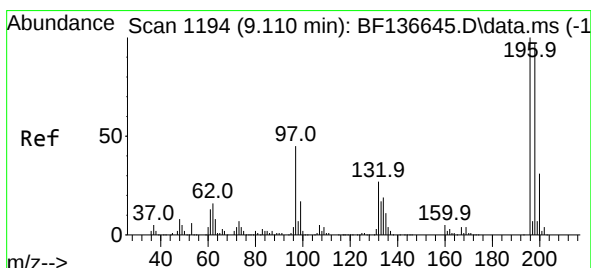
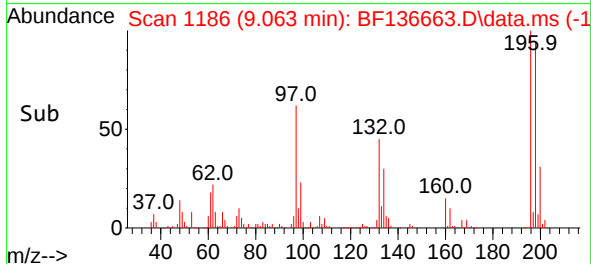
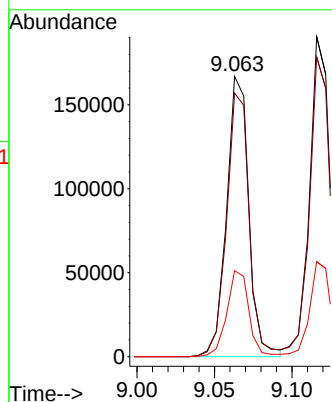
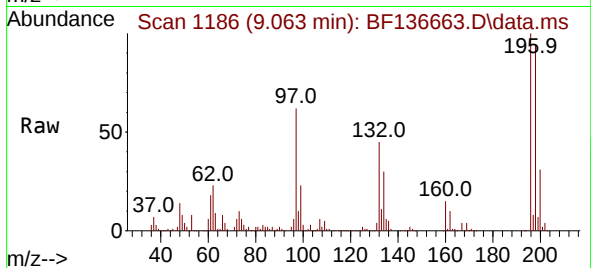
Tgt Ion:196 Resp: 166966

Ion Ratio Lower Upper

196 100

198 94.0 75.1 112.7

200 30.7 22.5 33.7



#44

2,4,5-Trichlorophenol

Concen: 40.744 ng

RT: 9.116 min Scan# 1195

Delta R.T. 0.006 min

Lab File: BF136663.D

Acq: 21 Dec 2023 11:03

Tgt Ion:196 Resp: 184683

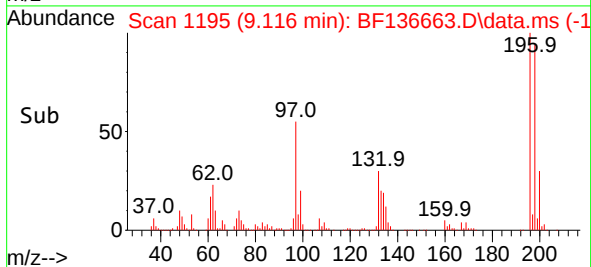
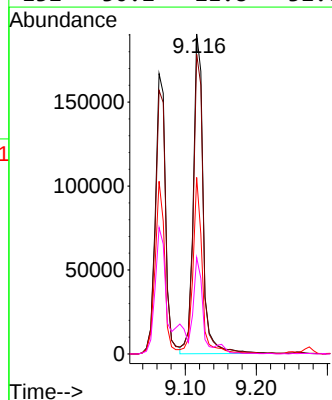
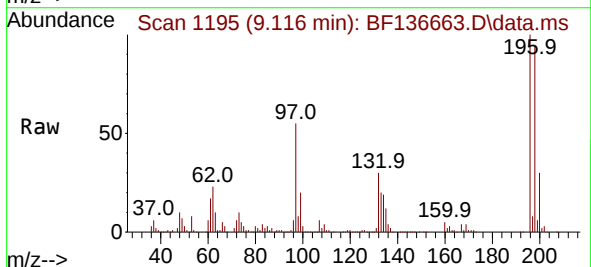
Ion Ratio Lower Upper

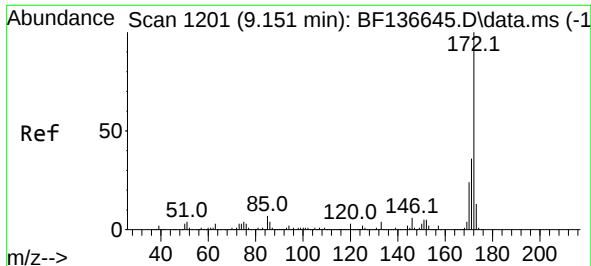
196 100

198 93.7 77.0 115.6

97 55.2 36.1 54.1#

132 30.2 21.8 32.6





#45

2-Fluorobiphenyl

Concen: 71.980 ng

RT: 9.151 min Scan# 1201

Delta R.T. 0.000 min

Lab File: BF136663.D

Acq: 21 Dec 2023 11:03

Instrument :

BNA_F

ClientSampleId :

PB157501BSD

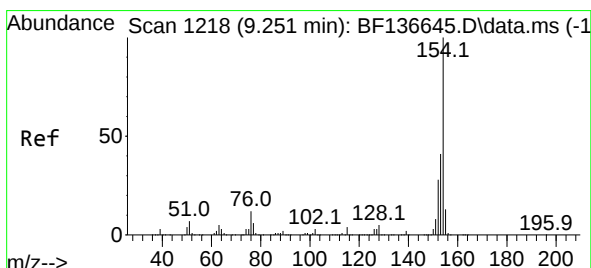
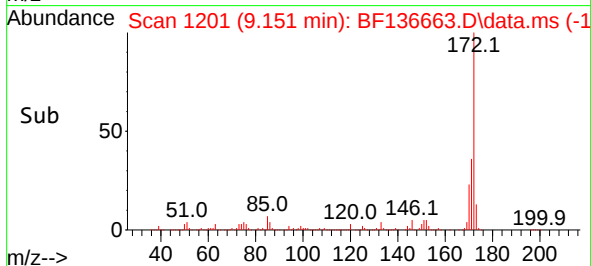
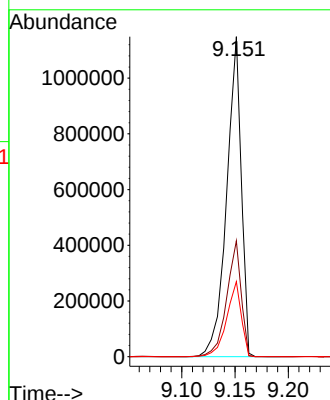
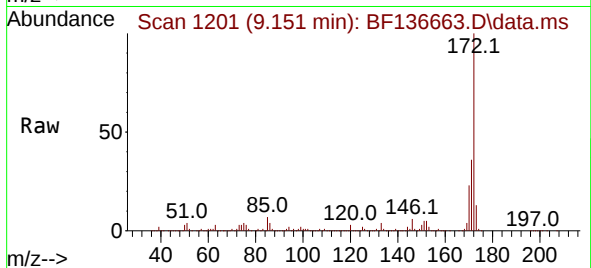
Tgt Ion:172 Resp: 1096023

Ion Ratio Lower Upper

172 100

171 36.2 29.0 43.6

170 23.4 19.0 28.4



#46

1,1'-Biphenyl

Concen: 39.033 ng

RT: 9.251 min Scan# 1218

Delta R.T. 0.000 min

Lab File: BF136663.D

Acq: 21 Dec 2023 11:03

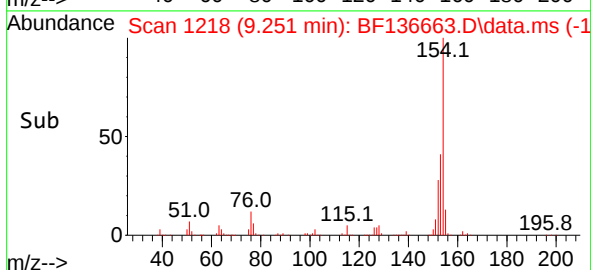
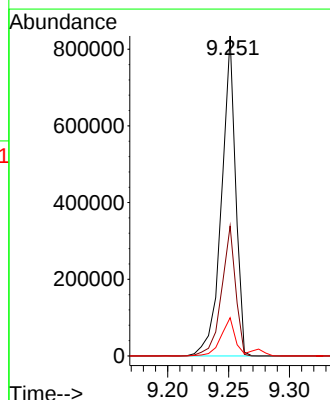
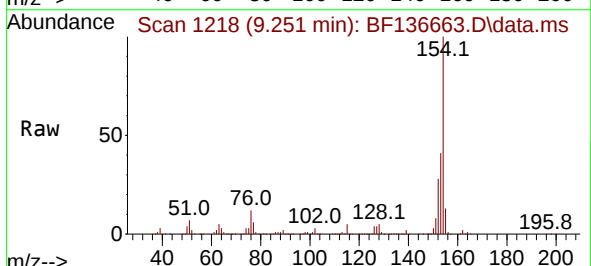
Tgt Ion:154 Resp: 670804

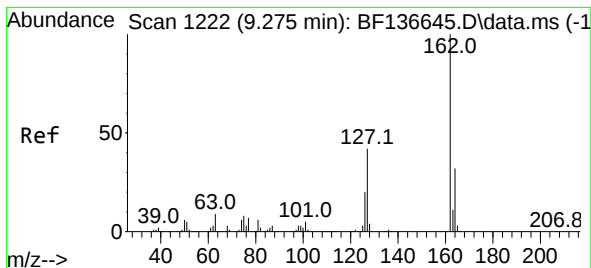
Ion Ratio Lower Upper

154 100

153 40.6 21.1 61.1

76 11.9 0.0 31.7





#47

2-Chloronaphthalene

Concen: 38.241 ng

RT: 9.275 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF136663.D

Acq: 21 Dec 2023 11:03

Instrument :

BNA_F

ClientSampleId :

PB157501BSD

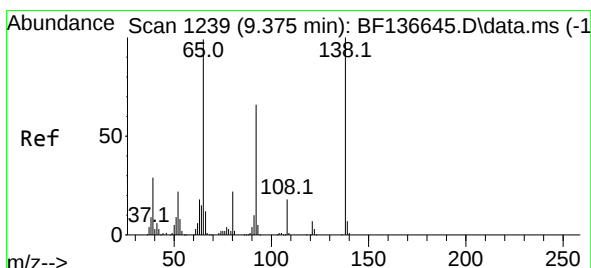
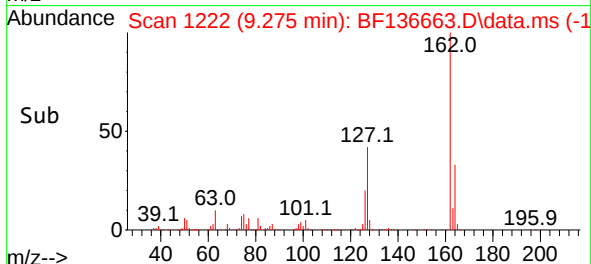
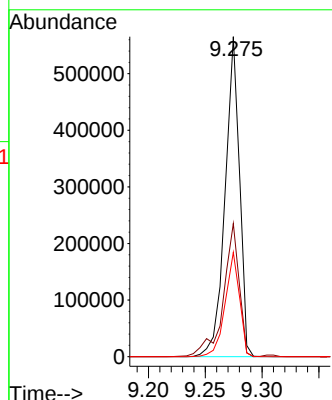
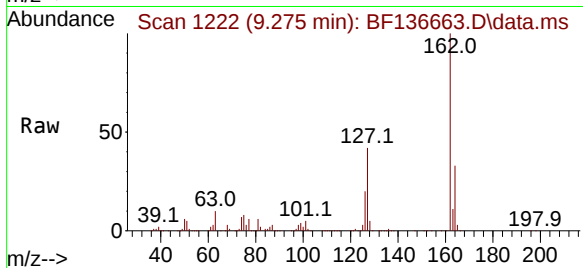
Tgt Ion:162 Resp: 499613

Ion Ratio Lower Upper

162 100

127 41.6 33.6 50.4

164 32.6 25.7 38.5



#48

2-Nitroaniline

Concen: 41.897 ng

RT: 9.375 min Scan# 1239

Delta R.T. 0.000 min

Lab File: BF136663.D

Acq: 21 Dec 2023 11:03

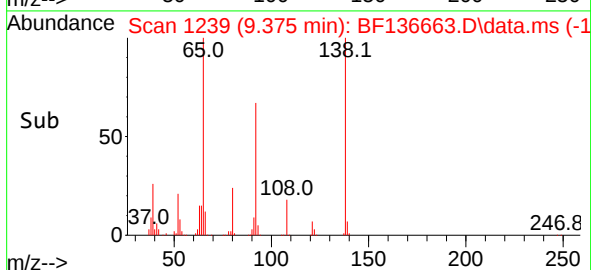
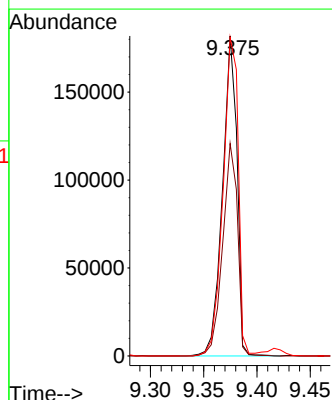
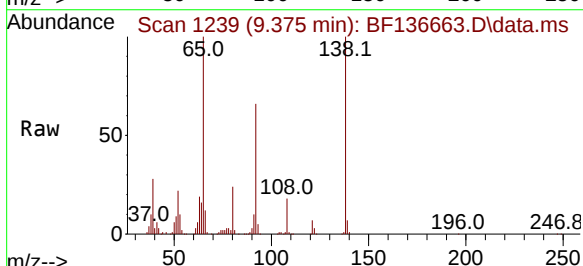
Tgt Ion: 65 Resp: 171409

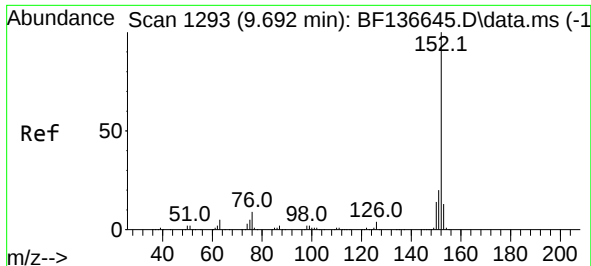
Ion Ratio Lower Upper

65 100

92 66.4 53.2 79.8

138 99.5 81.1 121.7

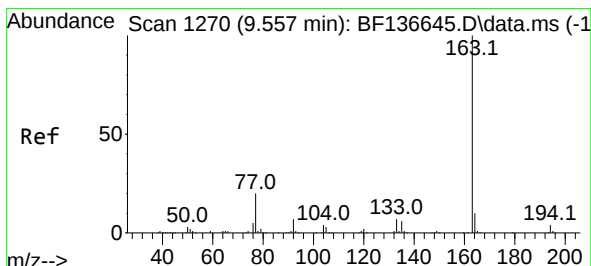
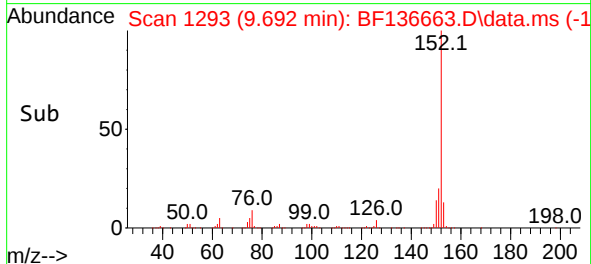
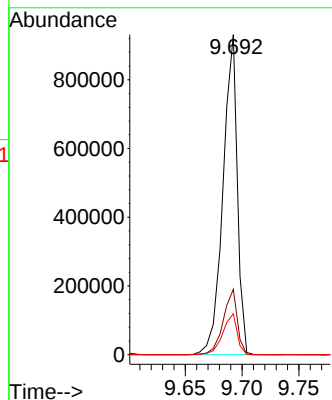
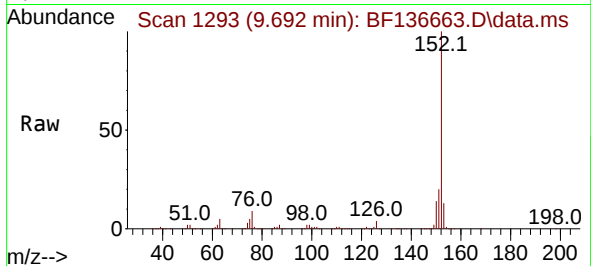




#49
Acenaphthylene
Concen: 41.001 ng
RT: 9.692 min Scan# 1293
Delta R.T. 0.000 min
Lab File: BF136663.D
Acq: 21 Dec 2023 11:03

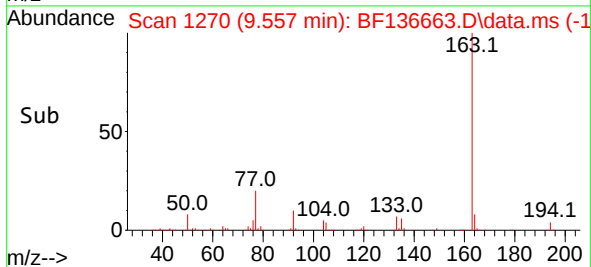
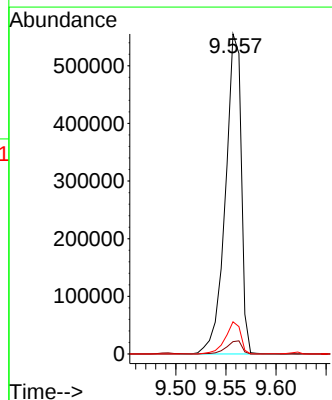
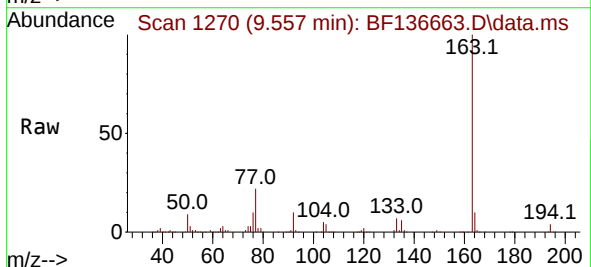
Instrument :
BNA_F
ClientSampleId :
PB157501BSD

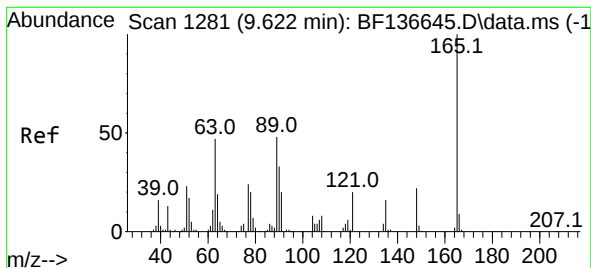
Tgt Ion:152 Resp: 818767
Ion Ratio Lower Upper
152 100
151 20.4 16.2 24.4
153 12.8 10.2 15.2



#50
Dimethylphthalate
Concen: 40.560 ng
RT: 9.557 min Scan# 1270
Delta R.T. 0.000 min
Lab File: BF136663.D
Acq: 21 Dec 2023 11:03

Tgt Ion:163 Resp: 606738
Ion Ratio Lower Upper
163 100
194 3.8 3.3 4.9
164 10.1 7.8 11.6





#51

2,6-Dinitrotoluene

Concen: 39.537 ng

RT: 9.622 min Scan# 1281

Delta R.T. 0.000 min

Lab File: BF136663.D

Acq: 21 Dec 2023 11:03

Instrument :

BNA_F

ClientSampleId :

PB157501BSD

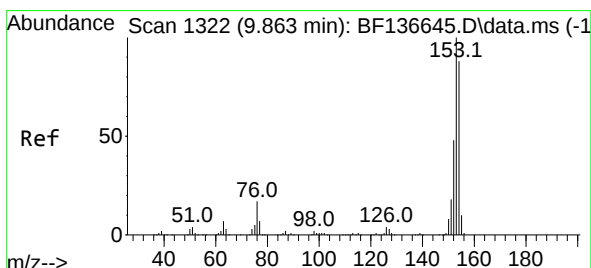
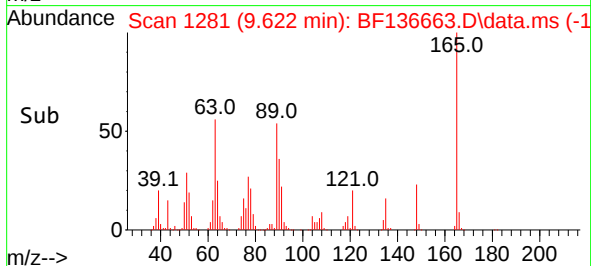
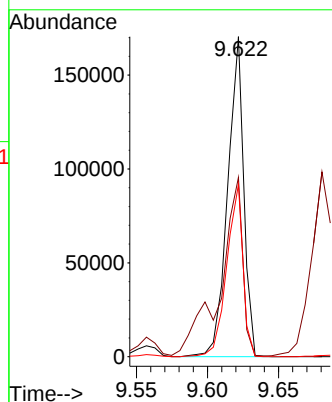
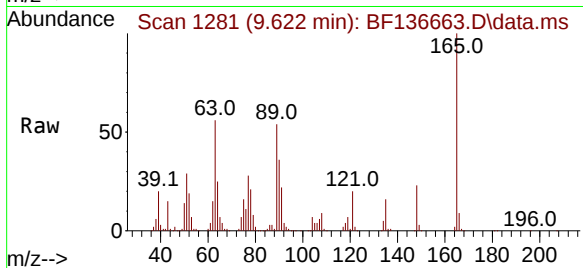
Tgt Ion:165 Resp: 134227

Ion Ratio Lower Upper

165 100

63 56.0 39.8 59.6

89 53.8 38.8 58.2



#52

Acenaphthene

Concen: 38.682 ng

RT: 9.863 min Scan# 1322

Delta R.T. 0.000 min

Lab File: BF136663.D

Acq: 21 Dec 2023 11:03

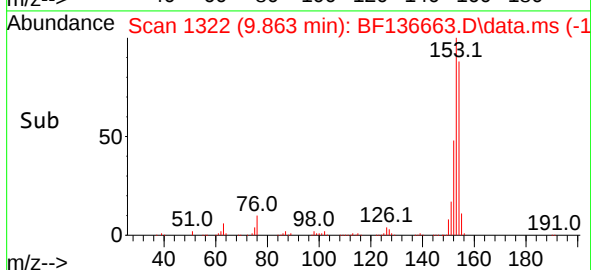
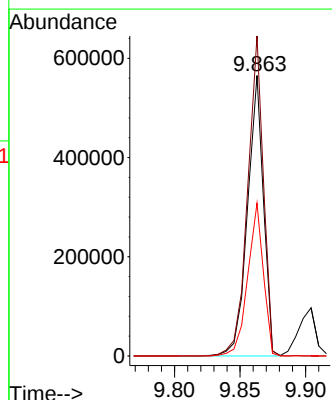
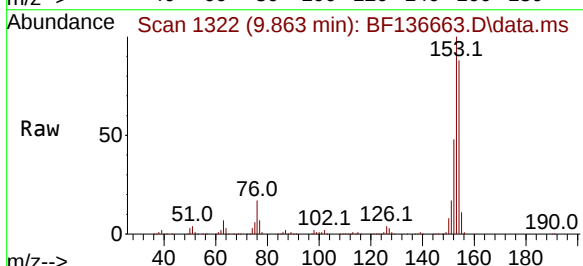
Tgt Ion:154 Resp: 478837

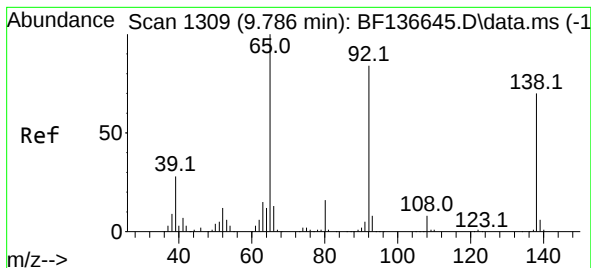
Ion Ratio Lower Upper

154 100

153 114.1 90.7 136.1

152 54.5 43.7 65.5





#53

3-Nitroaniline

Concen: 32.571 ng

RT: 9.792 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF136663.D

Acq: 21 Dec 2023 11:03

Instrument :

BNA_F

ClientSampleId :

PB157501BSD

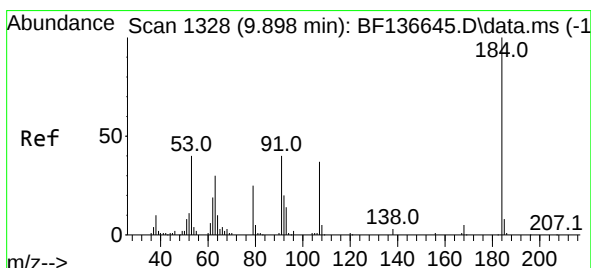
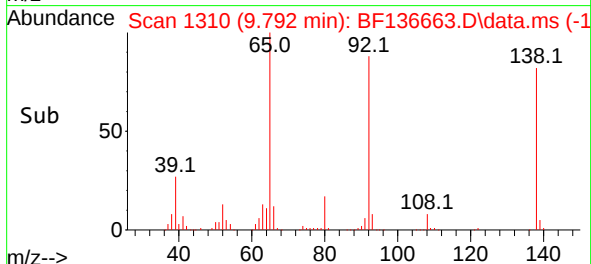
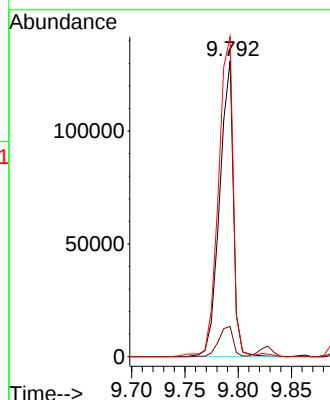
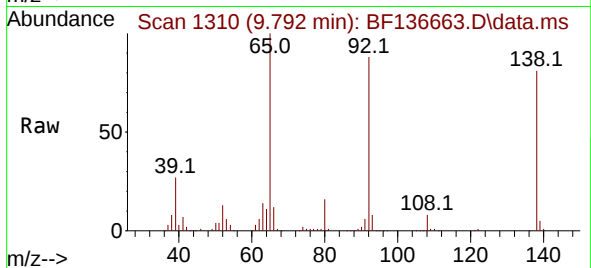
Tgt Ion:138 Resp: 117136

Ion Ratio Lower Upper

138 100

108 10.2 8.6 12.8

92 108.2 95.2 142.8



#54

2,4-Dinitrophenol

Concen: 80.990 ng

RT: 9.904 min Scan# 1329

Delta R.T. 0.006 min

Lab File: BF136663.D

Acq: 21 Dec 2023 11:03

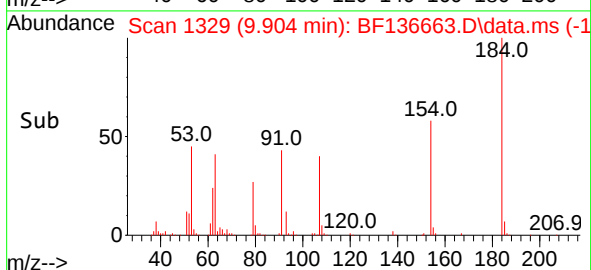
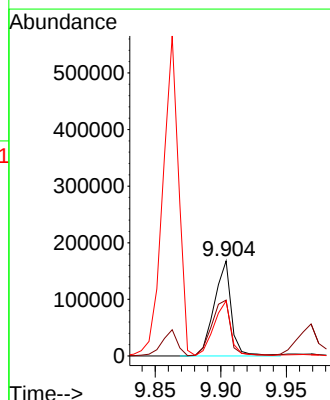
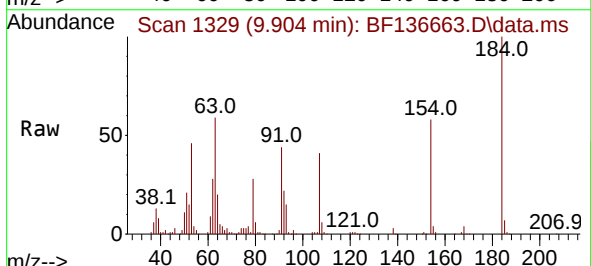
Tgt Ion:184 Resp: 152479

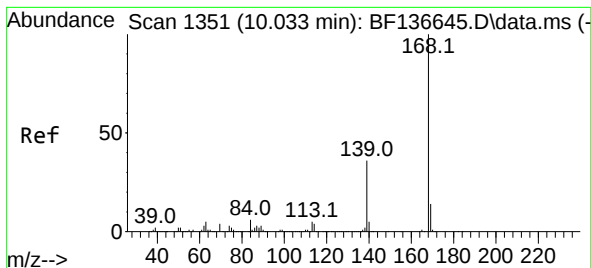
Ion Ratio Lower Upper

184 100

63 58.8 40.9 61.3

154 57.9 42.7 64.1





#55

Dibenzenofuran

Concen: 38.910 ng

RT: 10.033 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF136663.D

Acq: 21 Dec 2023 11:03

Instrument :

BNA_F

ClientSampleId :

PB157501BSD

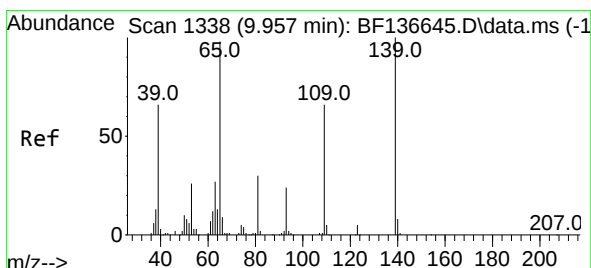
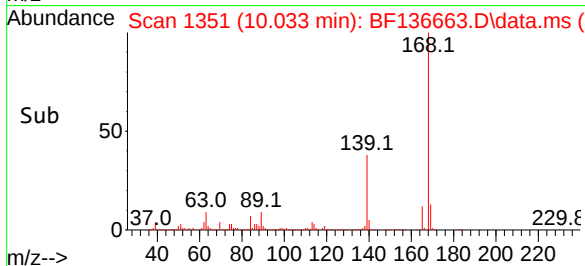
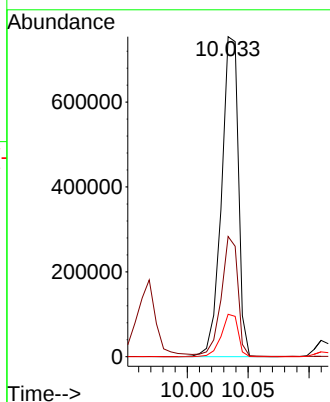
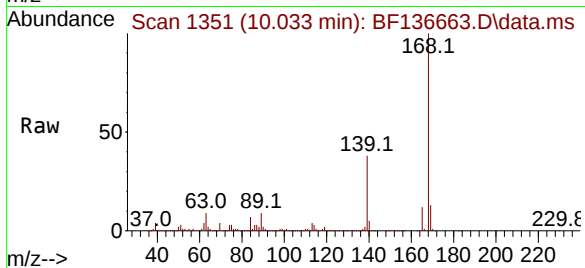
Tgt Ion:168 Resp: 730129

Ion Ratio Lower Upper

168 100

139 37.6 29.3 43.9

169 13.2 11.0 16.4



#56

4-Nitrophenol

Concen: 80.974 ng

RT: 9.969 min Scan# 1340

Delta R.T. 0.012 min

Lab File: BF136663.D

Acq: 21 Dec 2023 11:03

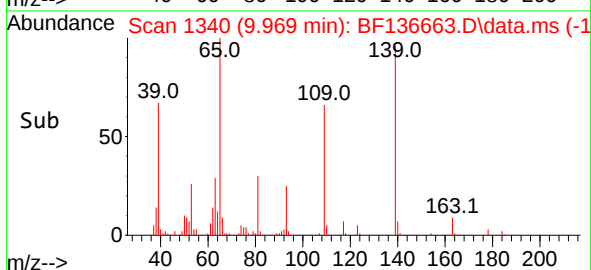
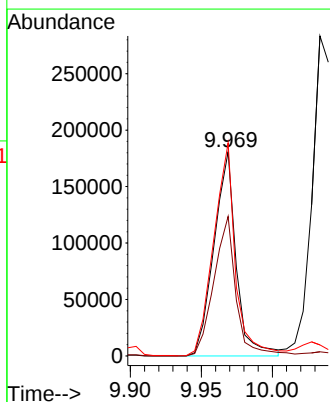
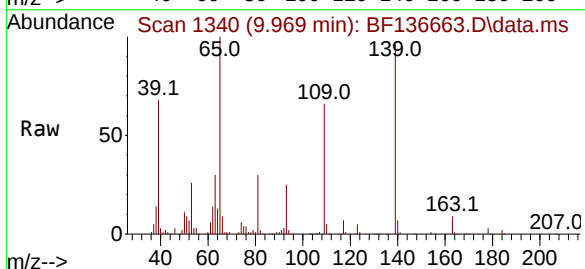
Tgt Ion:139 Resp: 196584

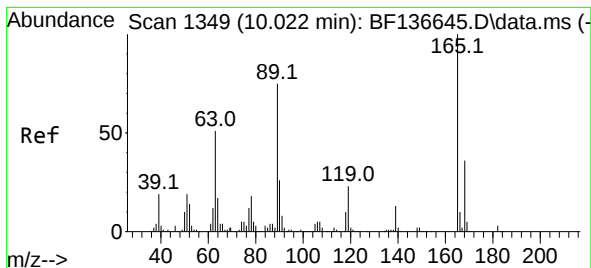
Ion Ratio Lower Upper

139 100

109 68.4 45.8 85.8

65 104.4 77.8 117.8

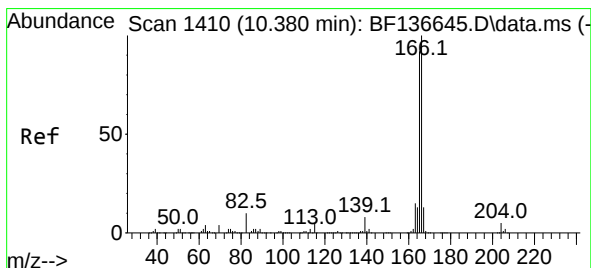
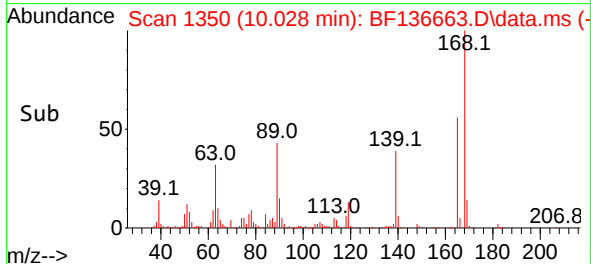
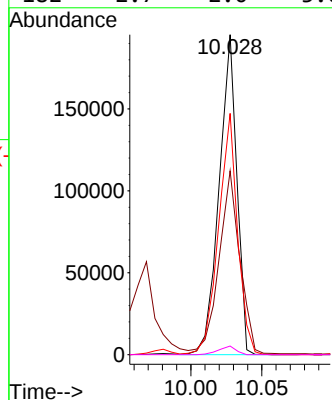
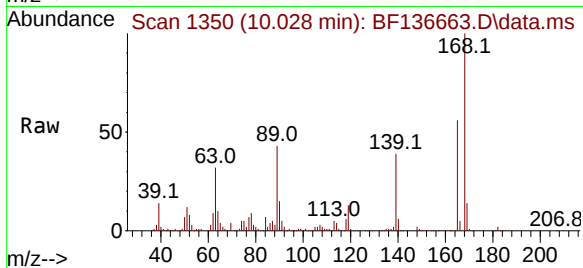




#57
2,4-Dinitrotoluene
Concen: 38.466 ng
RT: 10.028 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF136663.D
Acq: 21 Dec 2023 11:03

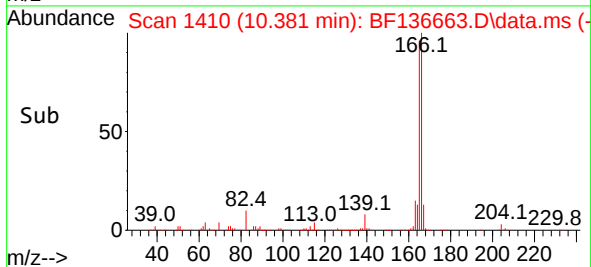
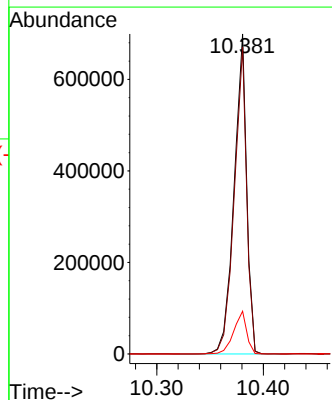
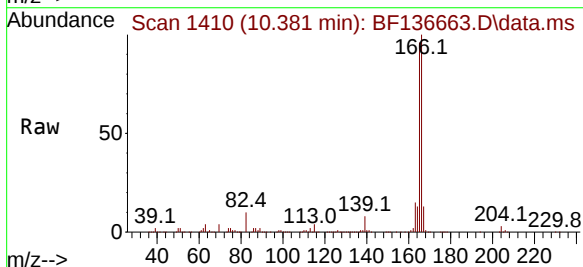
Instrument :
BNA_F
ClientSampleId :
PB157501BSD

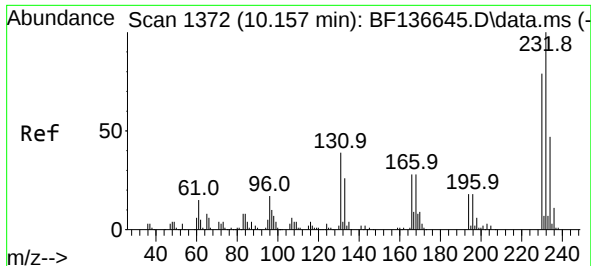
Tgt Ion:165 Resp: 169529
Ion Ratio Lower Upper
165 100
63 57.5 41.0 61.6
89 75.4 59.9 89.9
182 2.7 2.0 3.0



#58
Fluorene
Concen: 38.642 ng
RT: 10.381 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF136663.D
Acq: 21 Dec 2023 11:03

Tgt Ion:166 Resp: 575325
Ion Ratio Lower Upper
166 100
165 95.8 73.7 110.5
167 13.3 10.4 15.6





#59

2,3,4,6-Tetrachlorophenol

Concen: 44.341 ng

RT: 10.157 min Scan# 1372

Delta R.T. 0.000 min

Lab File: BF136663.D

Acq: 21 Dec 2023 11:03

Instrument :

BNA_F

ClientSampleId :

PB157501BSD

Tgt Ion:232 Resp: 154713

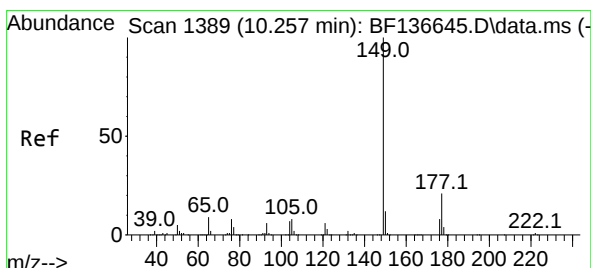
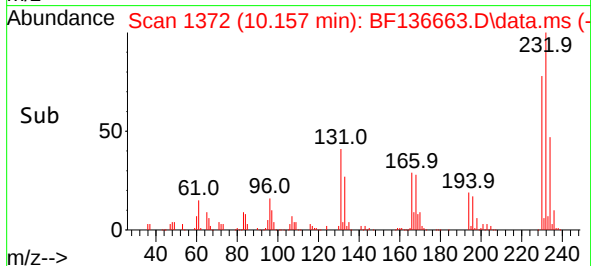
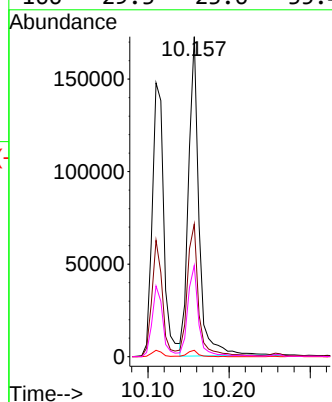
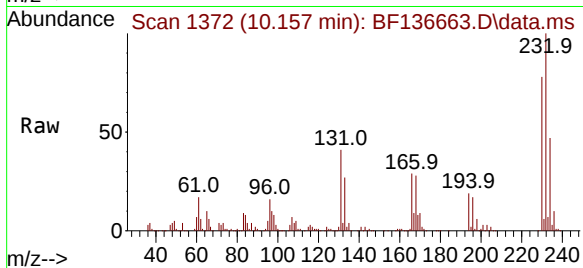
Ion Ratio Lower Upper

232 100

131 43.8 35.1 52.7

130 2.1 1.6 2.4

166 29.3 23.6 35.4



#60

Diethylphthalate

Concen: 39.454 ng

RT: 10.257 min Scan# 1389

Delta R.T. 0.000 min

Lab File: BF136663.D

Acq: 21 Dec 2023 11:03

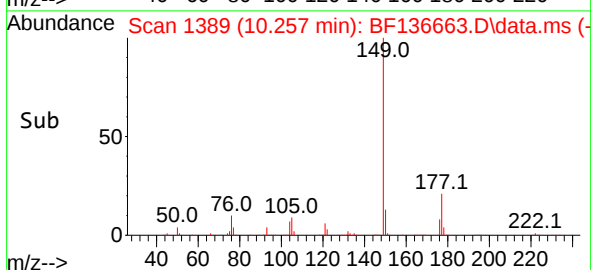
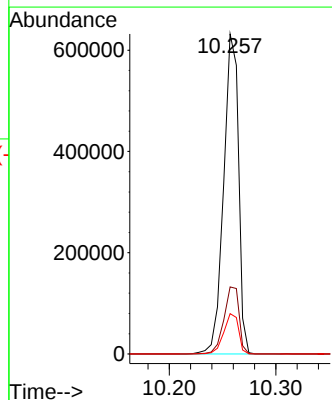
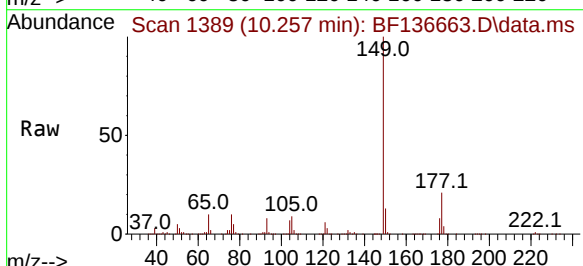
Tgt Ion:149 Resp: 612362

Ion Ratio Lower Upper

149 100

177 21.0 16.9 25.3

150 12.6 9.3 13.9

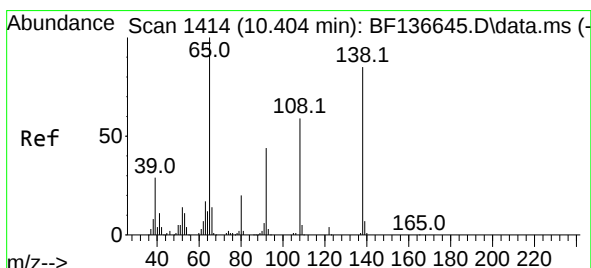
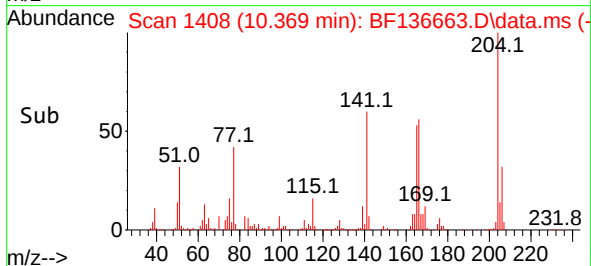
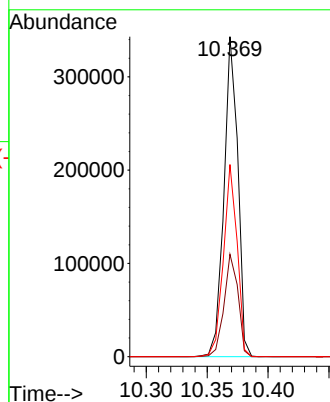
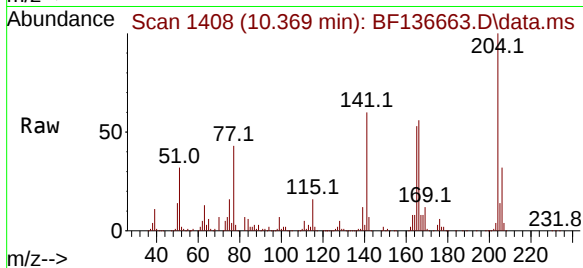




#61
4-Chlorophenyl-phenylether
Concen: 37.619 ng
RT: 10.369 min Scan# 1408
Delta R.T. 0.000 min
Lab File: BF136663.D
Acq: 21 Dec 2023 11:03

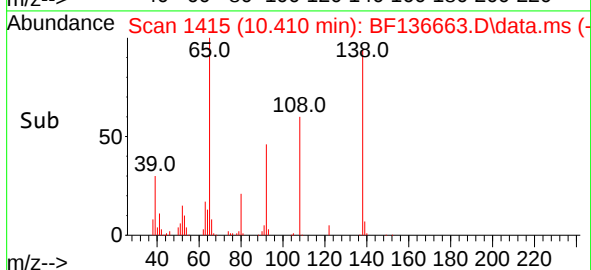
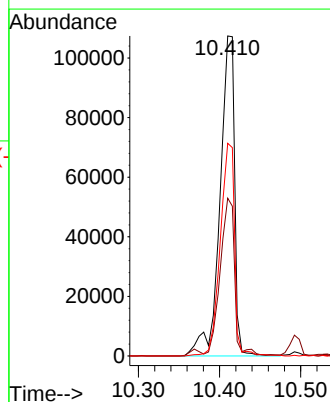
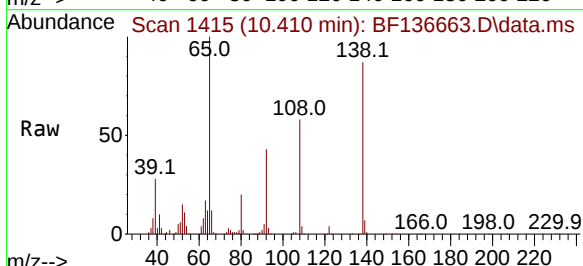
Instrument :
BNA_F
ClientSampleId :
PB157501BSD

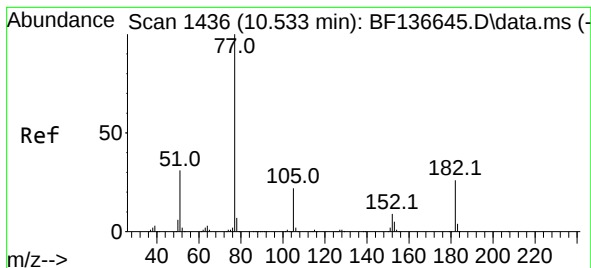
Tgt Ion:204 Resp: 272248
Ion Ratio Lower Upper
204 100
206 32.0 25.6 38.4
141 60.1 48.4 72.6



#62
4-Nitroaniline
Concen: 39.144 ng
RT: 10.410 min Scan# 1415
Delta R.T. 0.006 min
Lab File: BF136663.D
Acq: 21 Dec 2023 11:03

Tgt Ion:138 Resp: 135708
Ion Ratio Lower Upper
138 100
92 49.3 32.1 72.1
108 66.5 50.1 90.1





#63

Azobenzene

Concen: 40.246 ng

RT: 10.533 min Scan# 1436

Delta R.T. 0.000 min

Lab File: BF136663.D

Acq: 21 Dec 2023 11:03

Instrument :

BNA_F

ClientSampleId :

PB157501BSD

Tgt Ion: 77 Resp: 583426

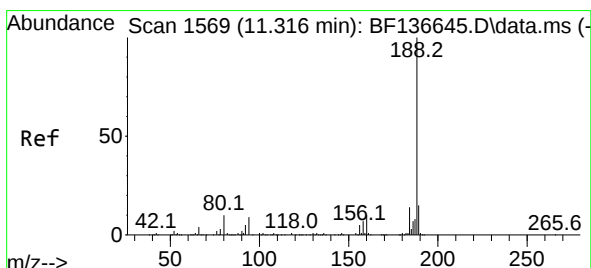
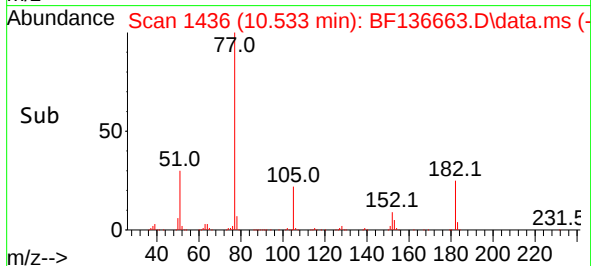
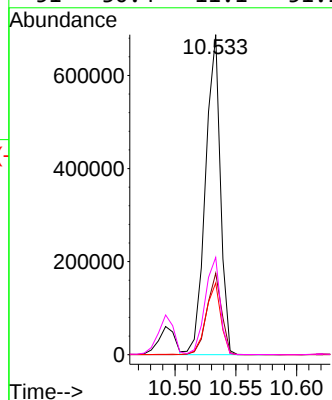
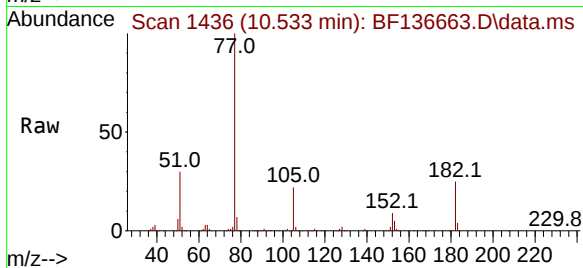
Ion Ratio Lower Upper

77 100

182 25.5 6.0 46.0

105 22.4 2.3 42.3

51 30.4 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: BF136663.D

Acq: 21 Dec 2023 11:03

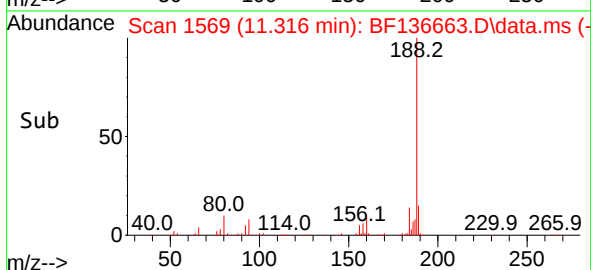
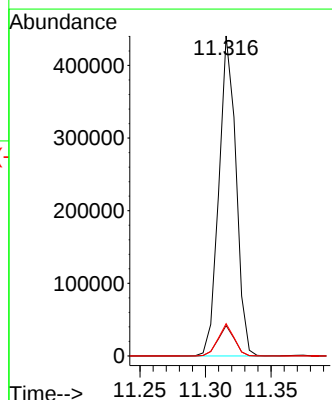
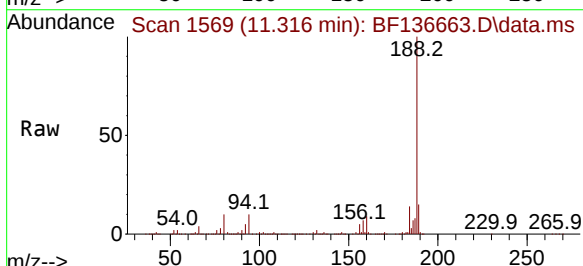
Tgt Ion: 188 Resp: 399178

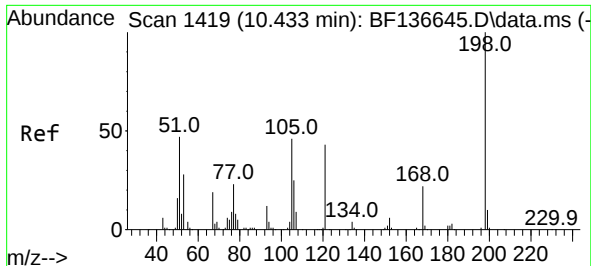
Ion Ratio Lower Upper

188 100

94 9.5 7.5 11.3

80 10.1 8.1 12.1

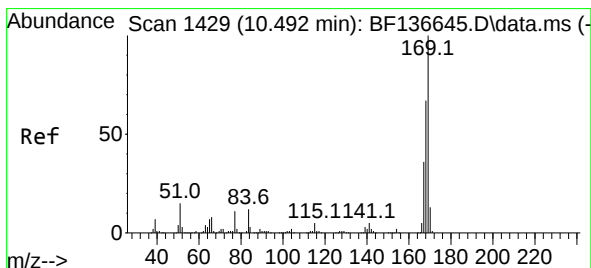
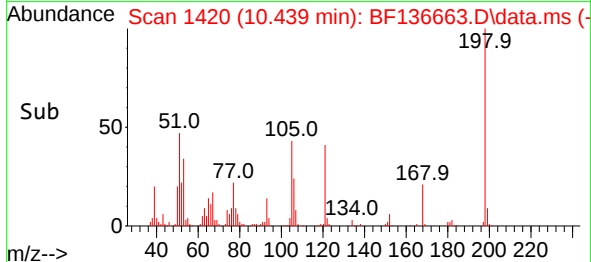
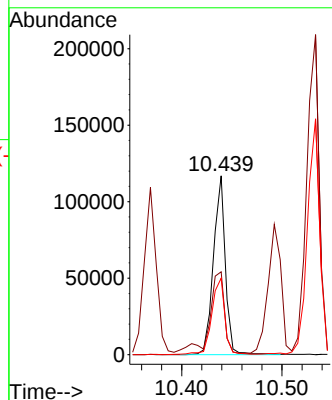
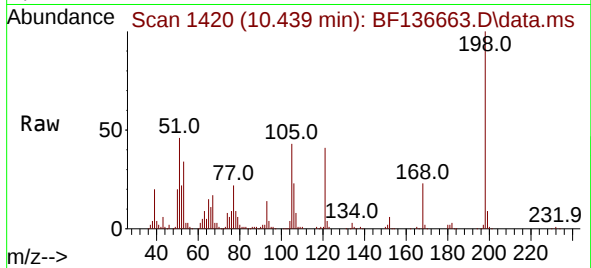




#65
4,6-Dinitro-2-methylphenol
Concen: 42.237 ng
RT: 10.439 min Scan# 1419
Delta R.T. 0.006 min
Lab File: BF136663.D
Acq: 21 Dec 2023 11:03

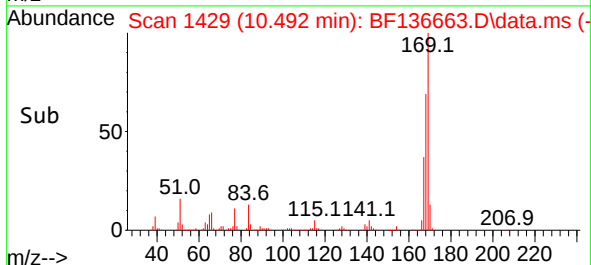
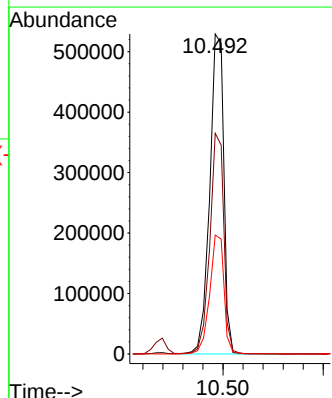
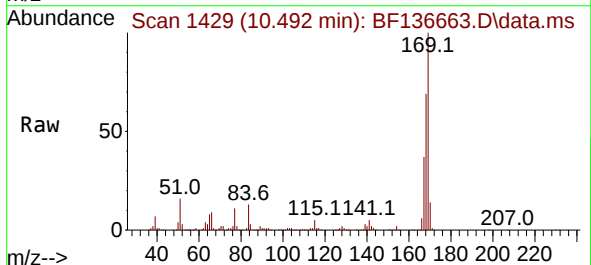
Instrument :
BNA_F
ClientSampleId :
PB157501BSD

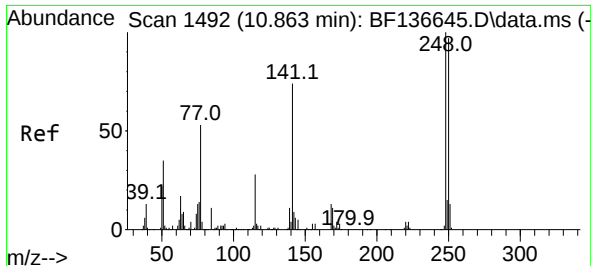
Tgt Ion:198 Resp: 96625
Ion Ratio Lower Upper
198 100
51 46.3 34.1 74.1
105 42.7 27.3 67.3



#66
n-Nitrosodiphenylamine
Concen: 39.890 ng
RT: 10.492 min Scan# 1429
Delta R.T. 0.000 min
Lab File: BF136663.D
Acq: 21 Dec 2023 11:03

Tgt Ion:169 Resp: 517262
Ion Ratio Lower Upper
169 100
168 69.0 53.8 80.6
167 37.2 28.7 43.1

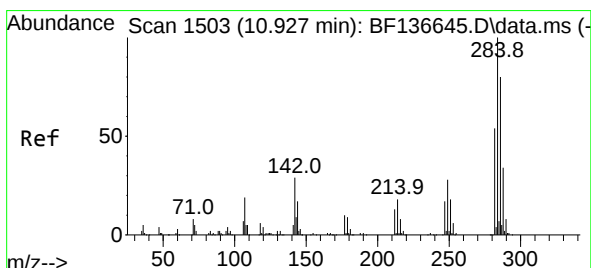
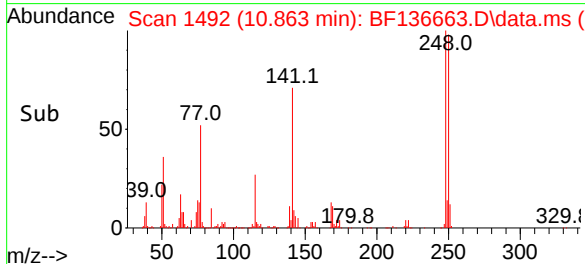
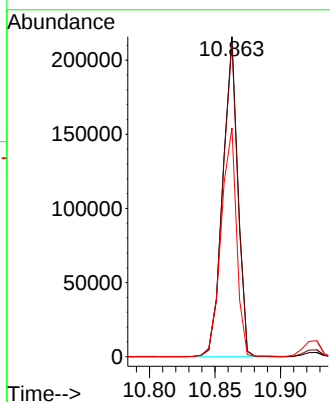
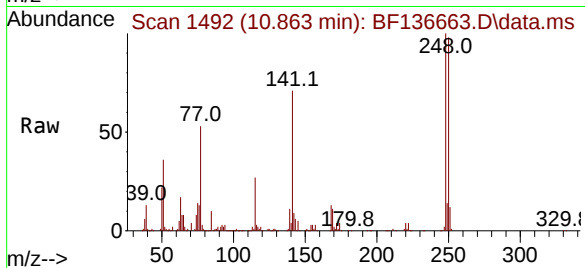




#67
4-Bromophenyl-phenylether
Concen: 38.928 ng
RT: 10.863 min Scan# 1492
Delta R.T. 0.000 min
Lab File: BF136663.D
Acq: 21 Dec 2023 11:03

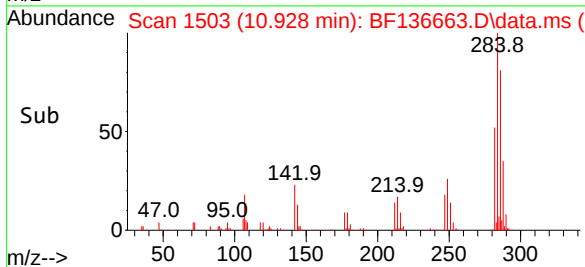
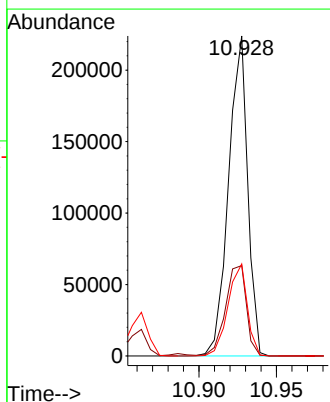
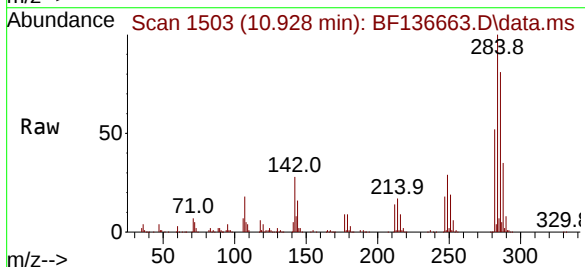
Instrument :
BNA_F
ClientSampleId :
PB157501BSD

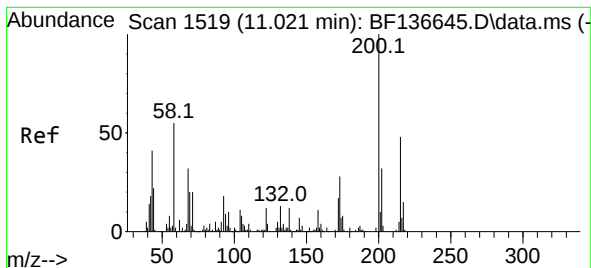
Tgt Ion:248 Resp: 172576
Ion Ratio Lower Upper
248 100
250 98.0 77.8 116.6
141 71.5 59.2 88.8



#68
Hexachlorobenzene
Concen: 38.780 ng
RT: 10.928 min Scan# 1503
Delta R.T. 0.000 min
Lab File: BF136663.D
Acq: 21 Dec 2023 11:03

Tgt Ion:284 Resp: 191588
Ion Ratio Lower Upper
284 100
142 28.3 23.4 35.0
249 28.7 22.3 33.5





#69

Atrazine

Concen: 39.963 ng

RT: 11.028 min Scan# 1519

Delta R.T. 0.006 min

Lab File: BF136663.D

Acq: 21 Dec 2023 11:03

Instrument :

BNA_F

ClientSampleId :

PB157501BSD

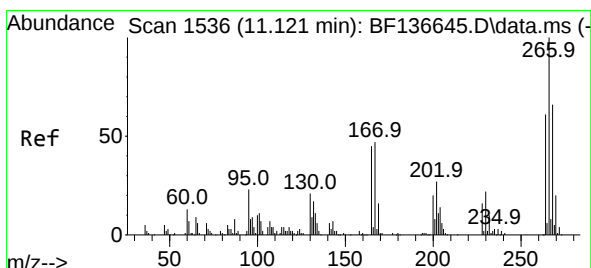
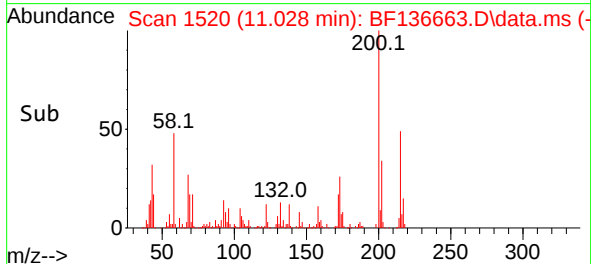
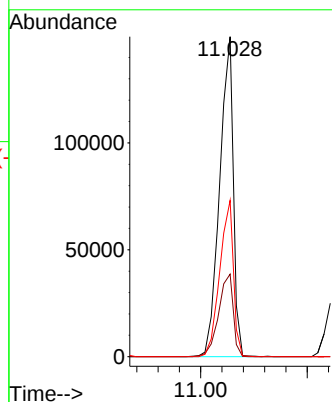
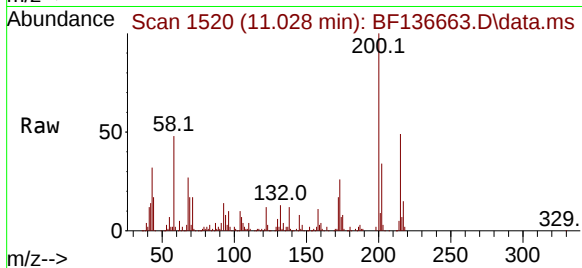
Tgt Ion:200 Resp: 132542

Ion Ratio Lower Upper

200 100

173 25.8 7.6 47.6

215 48.9 28.3 68.3



#70

Pentachlorophenol

Concen: 71.977 ng

RT: 11.128 min Scan# 1537

Delta R.T. 0.006 min

Lab File: BF136663.D

Acq: 21 Dec 2023 11:03

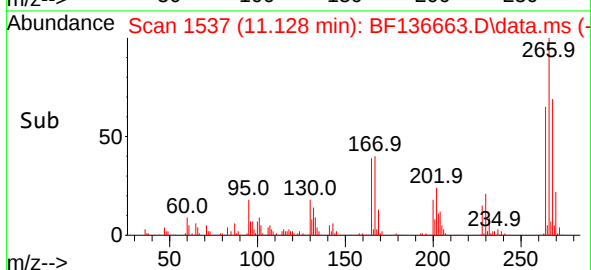
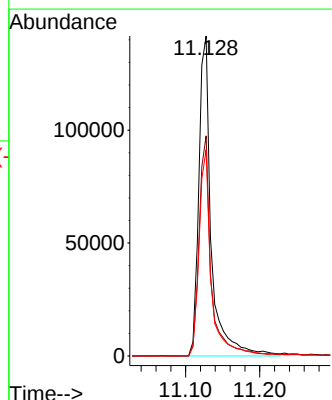
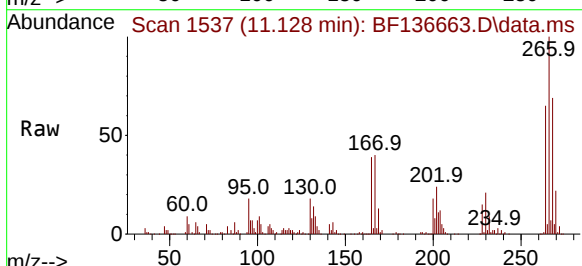
Tgt Ion:266 Resp: 165746

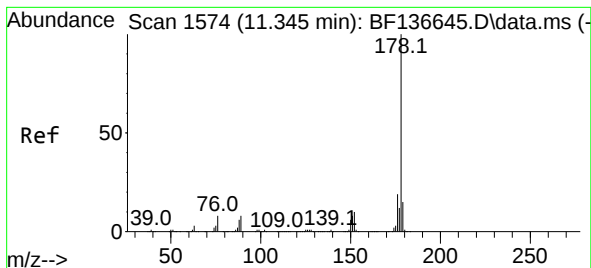
Ion Ratio Lower Upper

266 100

268 68.8 52.6 78.8

264 64.5 49.0 73.4





#71

Phenanthrene

Concen: 40.151 ng

RT: 11.345 min Scan# 1574

Delta R.T. 0.000 min

Lab File: BF136663.D

Acq: 21 Dec 2023 11:03

Instrument :

BNA_F

ClientSampleId :

PB157501BSD

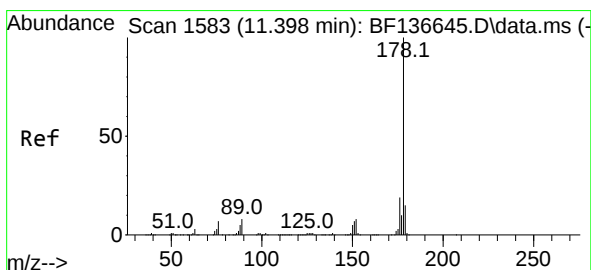
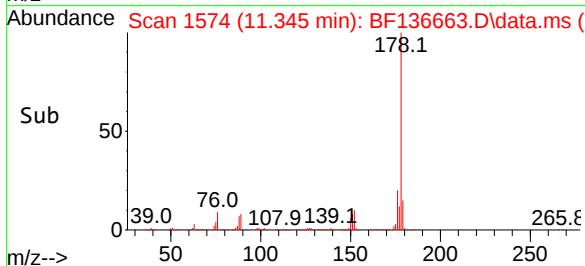
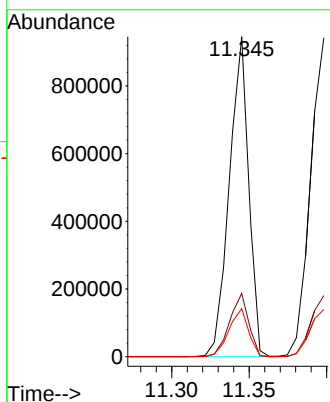
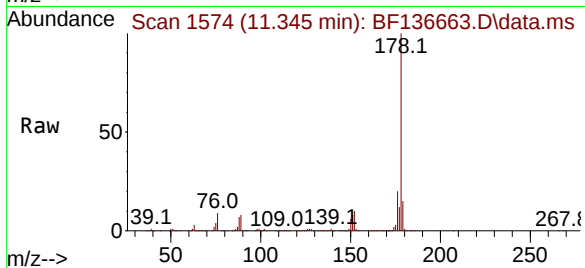
Tgt Ion:178 Resp: 822382

Ion Ratio Lower Upper

178 100

176 19.8 15.3 22.9

179 15.0 11.9 17.9



#72

Anthracene

Concen: 39.436 ng

RT: 11.398 min Scan# 1583

Delta R.T. 0.000 min

Lab File: BF136663.D

Acq: 21 Dec 2023 11:03

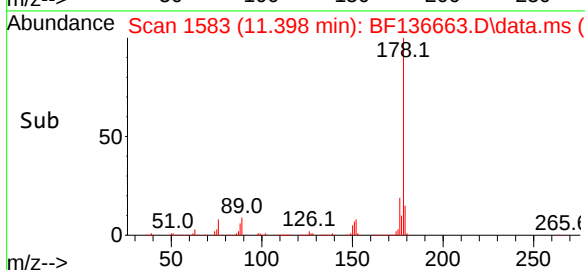
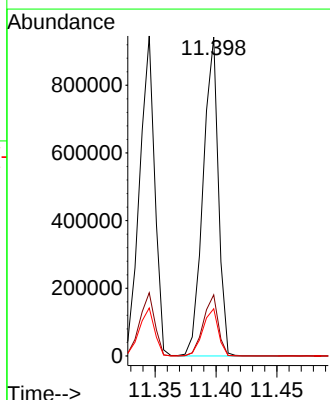
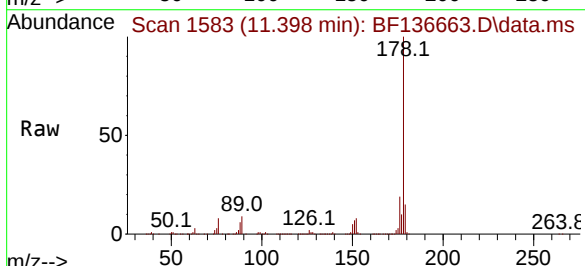
Tgt Ion:178 Resp: 818018

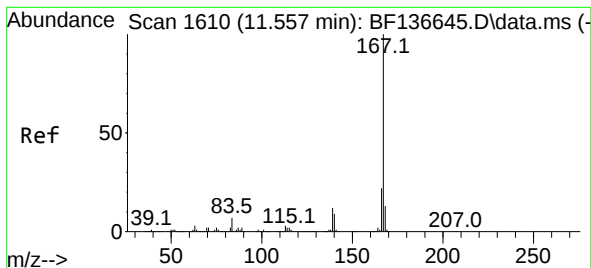
Ion Ratio Lower Upper

178 100

176 19.2 14.9 22.3

179 14.8 11.8 17.6





#73

Carbazole

Concen: 38.624 ng

RT: 11.557 min Scan# 1610

Delta R.T. 0.000 min

Lab File: BF136663.D

Acq: 21 Dec 2023 11:03

Instrument :

BNA_F

ClientSampleId :

PB157501BSD

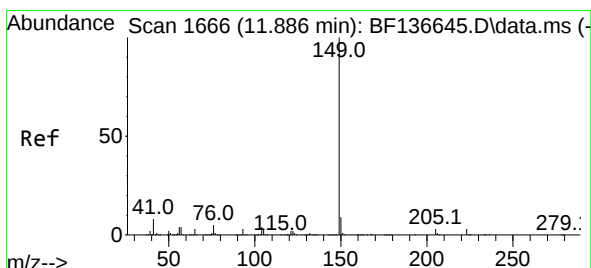
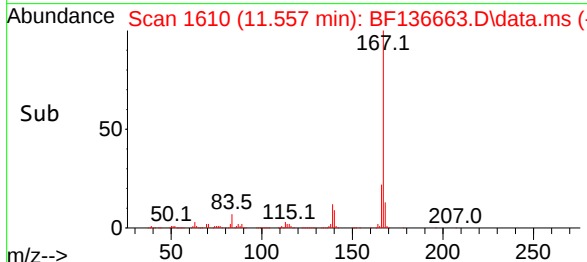
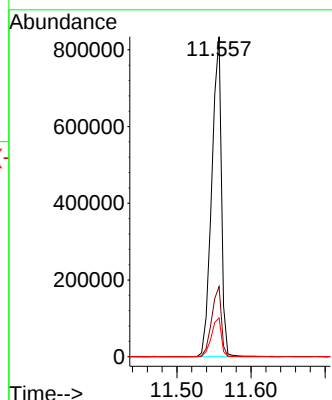
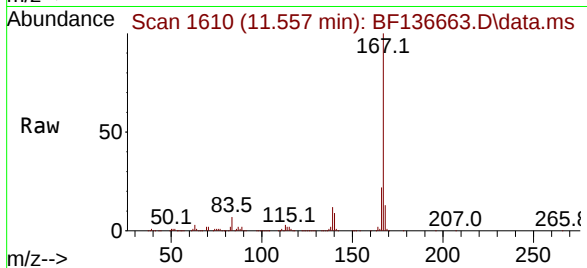
Tgt Ion:167 Resp: 755365

Ion Ratio Lower Upper

167 100

166 21.9 17.3 25.9

139 12.1 9.8 14.6



#74

Di-n-butylphthalate

Concen: 40.609 ng

RT: 11.886 min Scan# 1666

Delta R.T. 0.000 min

Lab File: BF136663.D

Acq: 21 Dec 2023 11:03

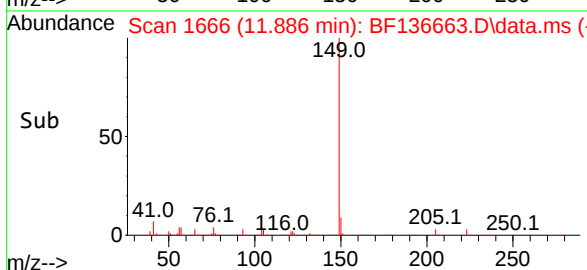
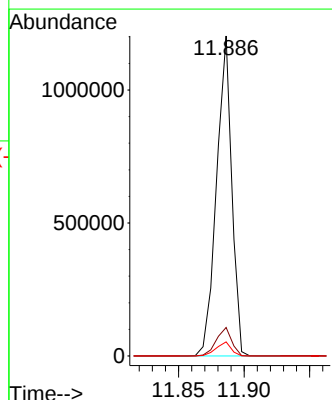
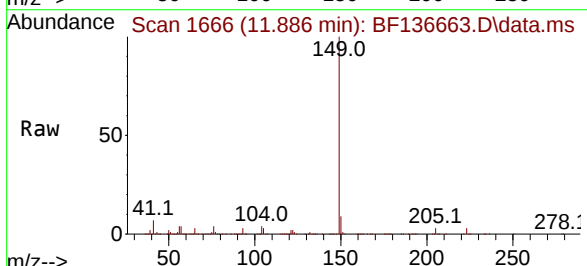
Tgt Ion:149 Resp: 969099

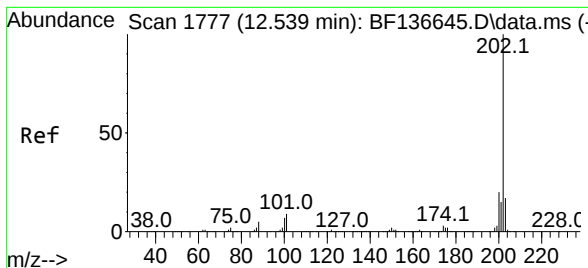
Ion Ratio Lower Upper

149 100

150 8.9 7.4 11.2

104 4.4 3.6 5.4

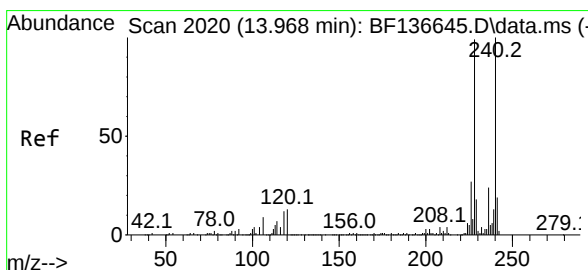
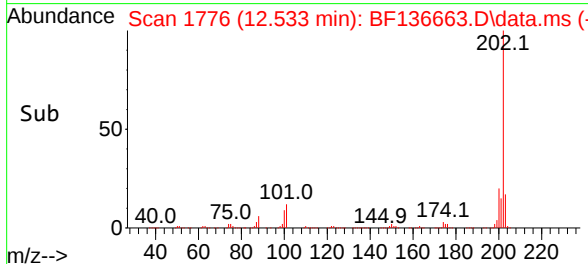
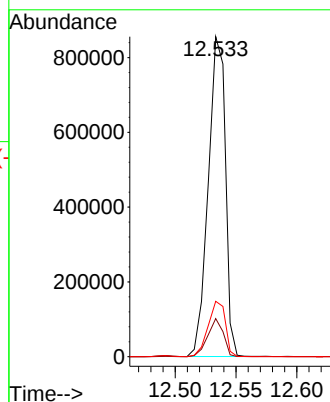
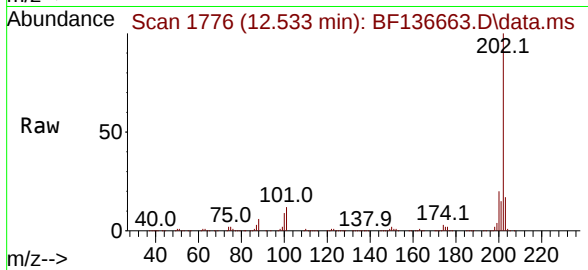




#75
Fluoranthene
Concen: 38.261 ng
RT: 12.533 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF136663.D
Acq: 21 Dec 2023 11:03

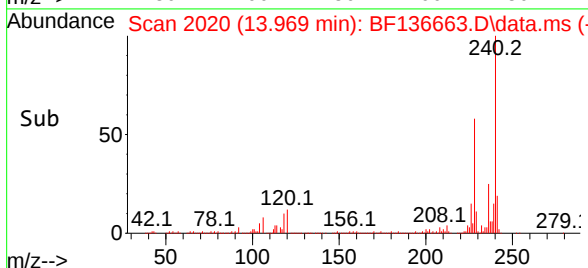
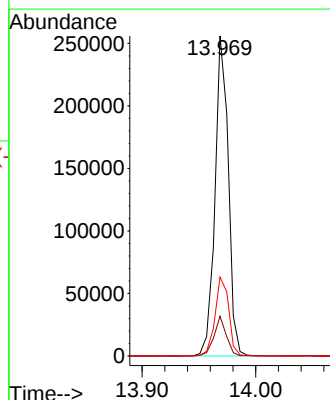
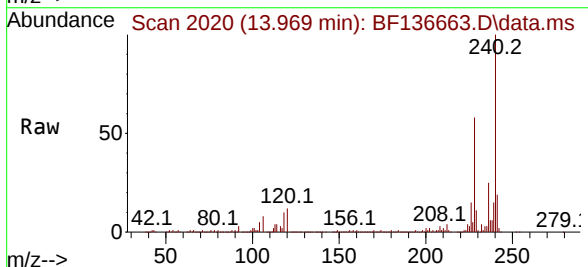
Instrument :
BNA_F
ClientSampleId :
PB157501BSD

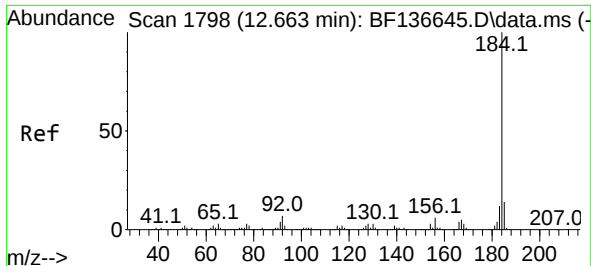
Tgt Ion:202 Resp: 838256
Ion Ratio Lower Upper
202 100
101 11.9 0.0 29.3
203 17.3 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF136663.D
Acq: 21 Dec 2023 11:03

Tgt Ion:240 Resp: 208329
Ion Ratio Lower Upper
240 100
120 12.4 10.3 15.5
236 24.7 19.4 29.2

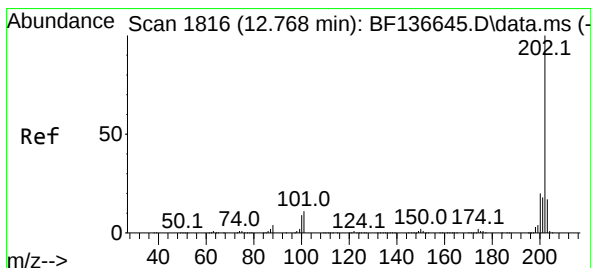
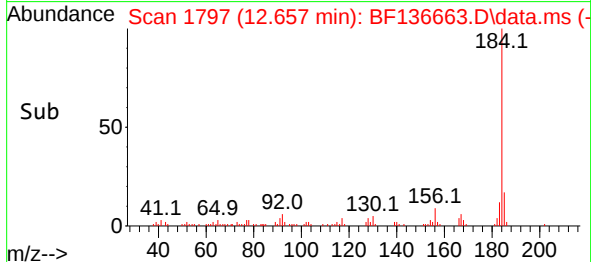
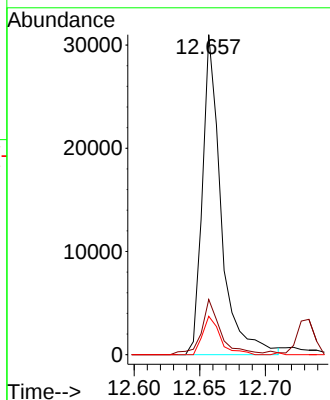
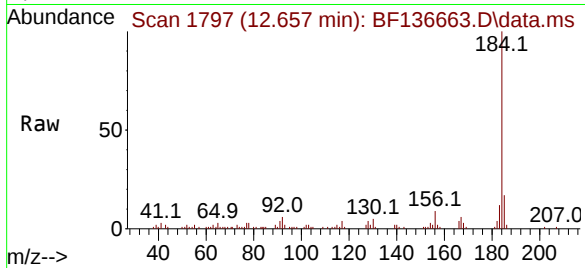




#77
Benzidine
Concen: 5.020 ng
RT: 12.657 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136663.D
Acq: 21 Dec 2023 11:03

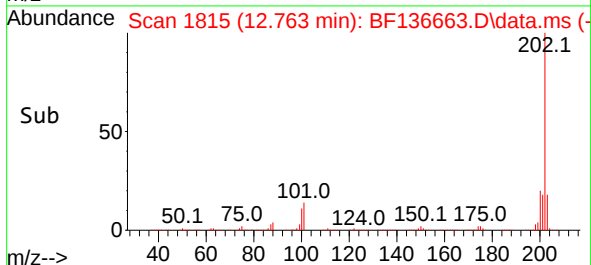
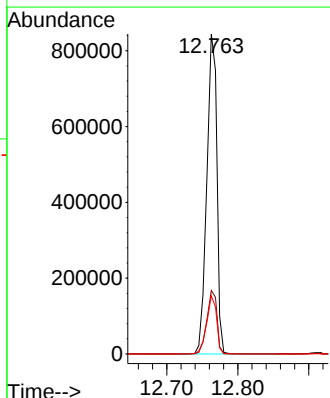
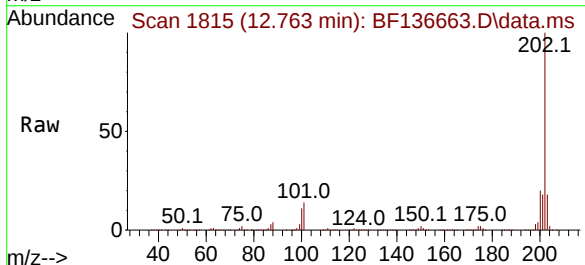
Instrument :
BNA_F
ClientSampleId :
PB157501BSD

Tgt Ion:184 Resp: 30839
Ion Ratio Lower Upper
184 100
185 17.3 11.2 16.8#
183 12.0 9.3 13.9



#78
Pyrene
Concen: 40.878 ng
RT: 12.763 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF136663.D
Acq: 21 Dec 2023 11:03

Tgt Ion:202 Resp: 836000
Ion Ratio Lower Upper
202 100
200 19.8 15.9 23.9
203 18.2 13.8 20.6





#79

Terphenyl-d14

Concen: 77.117 ng

RT: 12.916 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF136663.D

Acq: 21 Dec 2023 11:03

Instrument :

BNA_F

ClientSampleId :

PB157501BSD

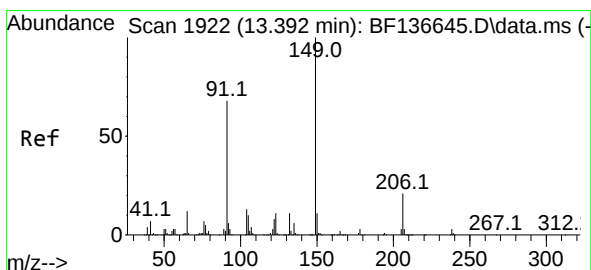
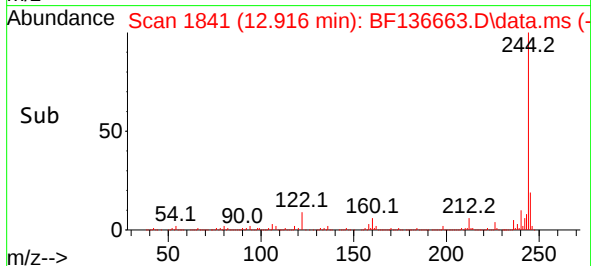
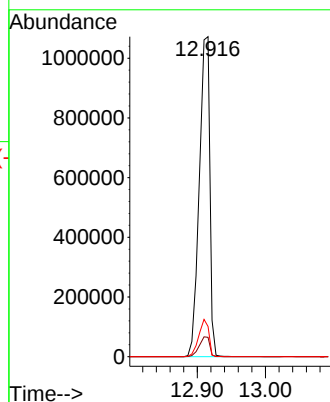
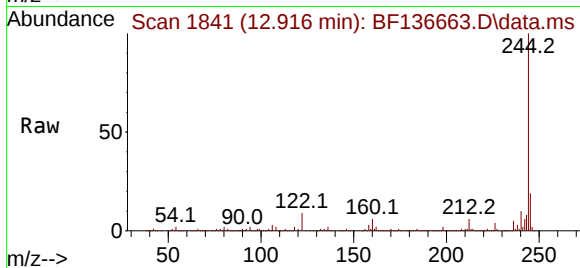
Tgt Ion:244 Resp: 1149626

Ion Ratio Lower Upper

244 100

212 6.1 5.0 7.4

122 9.4 9.0 13.4



#80

Butylbenzylphthalate

Concen: 44.397 ng

RT: 13.386 min Scan# 1921

Delta R.T. -0.006 min

Lab File: BF136663.D

Acq: 21 Dec 2023 11:03

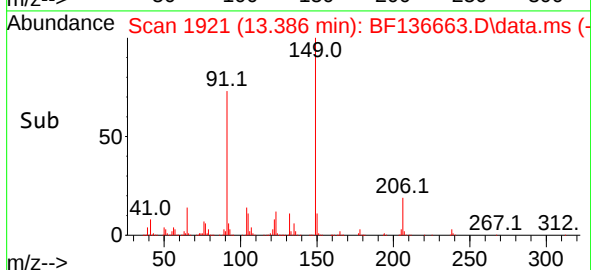
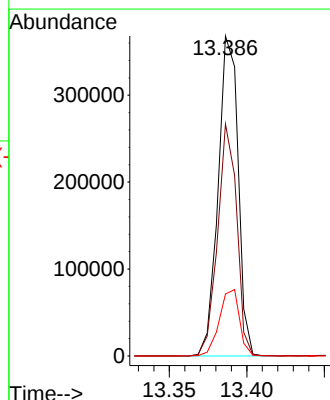
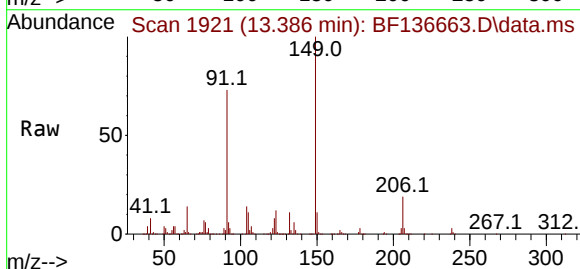
Tgt Ion:149 Resp: 330381

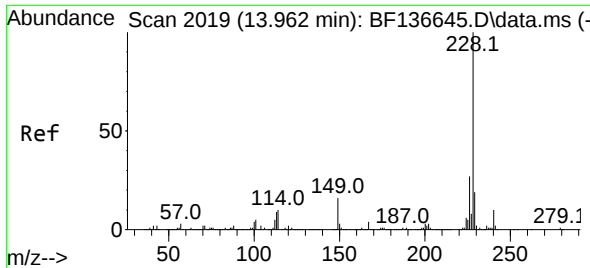
Ion Ratio Lower Upper

149 100

91 72.5 54.1 81.1

206 19.4 17.1 25.7

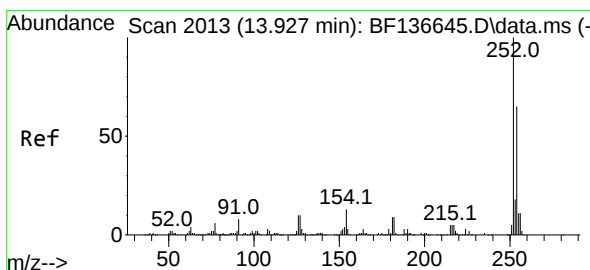
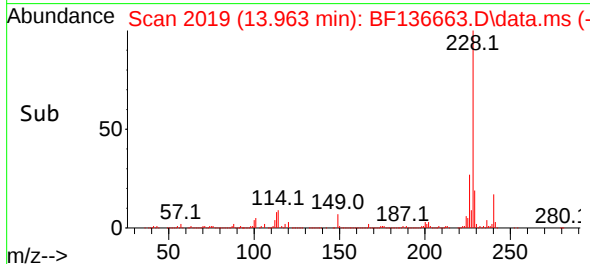
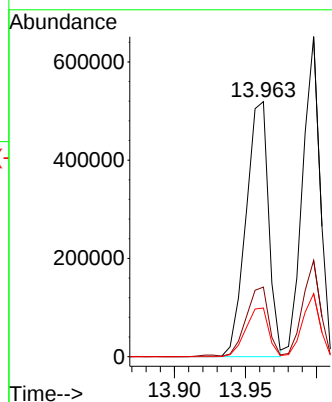
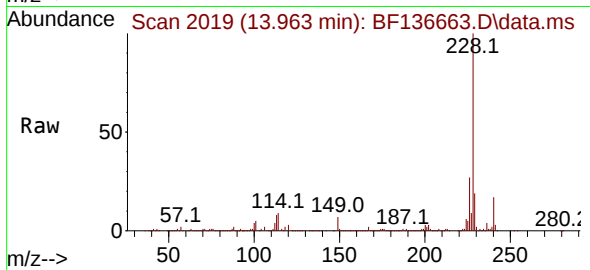




#81
Benzo(a)anthracene
Concen: 39.800 ng
RT: 13.963 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF136663.D
Acq: 21 Dec 2023 11:03

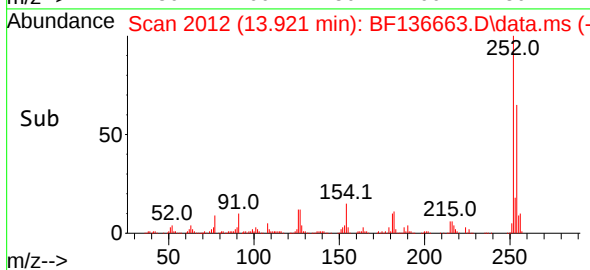
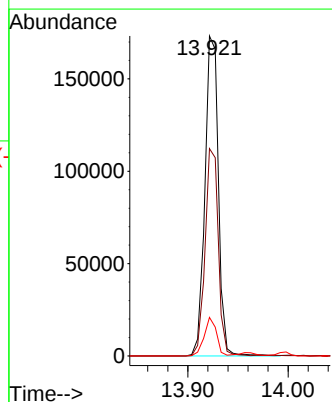
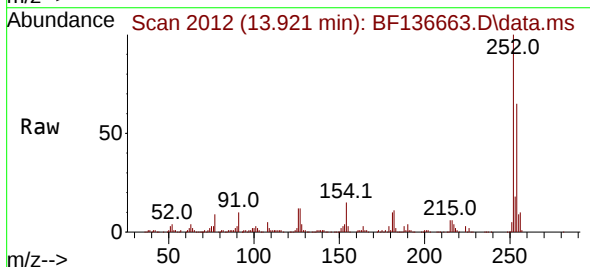
Instrument :
BNA_F
ClientSampleId :
PB157501BSD

Tgt Ion:228 Resp: 575753
Ion Ratio Lower Upper
228 100
226 27.3 21.4 32.0
229 19.0 14.9 22.3



#82
3,3'-Dichlorobenzidine
Concen: 39.629 ng
RT: 13.921 min Scan# 2012
Delta R.T. -0.006 min
Lab File: BF136663.D
Acq: 21 Dec 2023 11:03

Tgt Ion:252 Resp: 162806
Ion Ratio Lower Upper
252 100
254 64.8 52.2 78.4
126 12.0 8.0 12.0#





#83

Chrysene

Concen: 39.334 ng

RT: 13.998 min Scan# 2025

Delta R.T. 0.000 min

Lab File: BF136663.D

Acq: 21 Dec 2023 11:03

Instrument :

BNA_F

ClientSampleId :

PB157501BSD

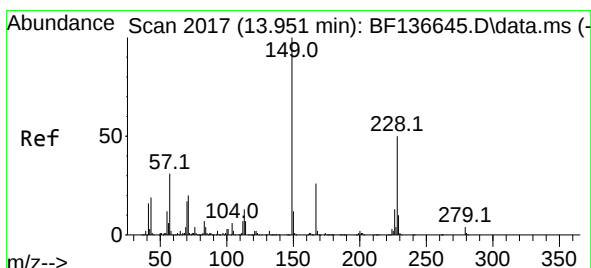
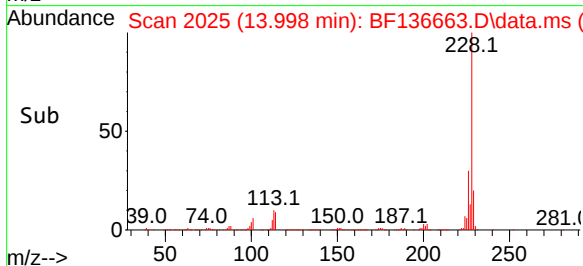
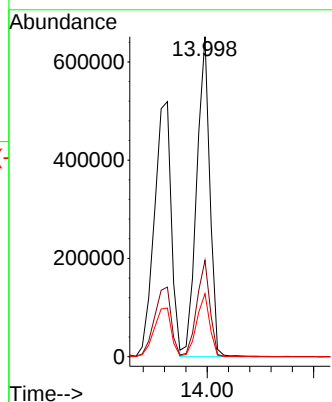
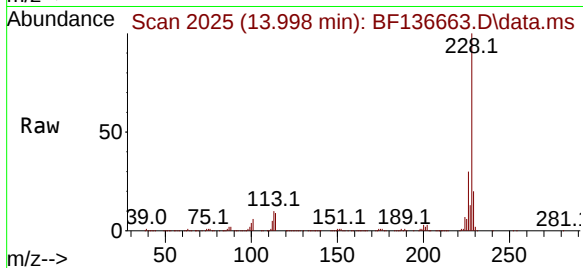
Tgt Ion:228 Resp: 556433

Ion Ratio Lower Upper

228 100

226 30.1 24.7 37.1

229 19.7 15.4 23.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 44.051 ng

RT: 13.951 min Scan# 2017

Delta R.T. 0.000 min

Lab File: BF136663.D

Acq: 21 Dec 2023 11:03

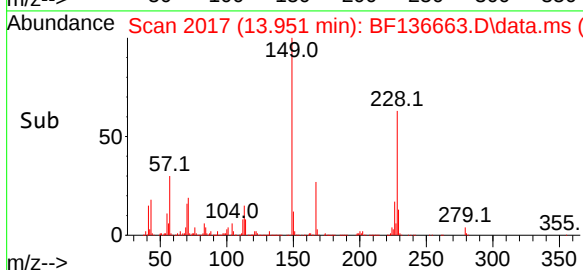
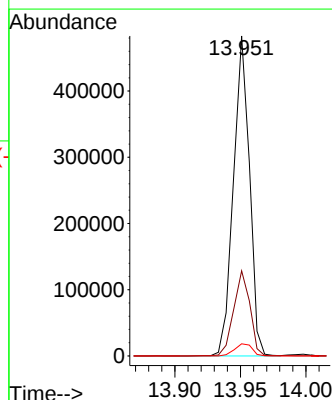
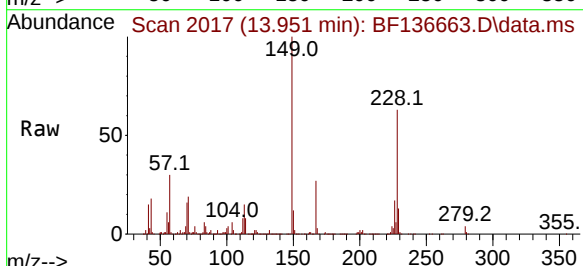
Tgt Ion:149 Resp: 412439

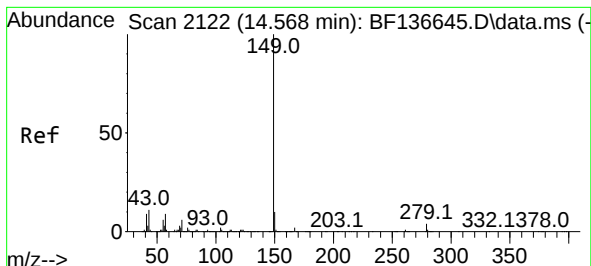
Ion Ratio Lower Upper

149 100

167 26.6 20.9 31.3

279 3.8 2.9 4.3





#85

Di-n-octyl phthalate

Concen: 44.402 ng

RT: 14.568 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF136663.D

Acq: 21 Dec 2023 11:03

Instrument :

BNA_F

ClientSampleId :

PB157501BSD

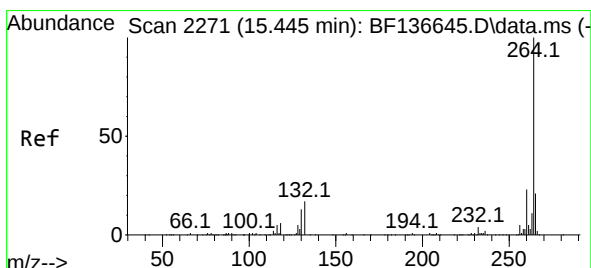
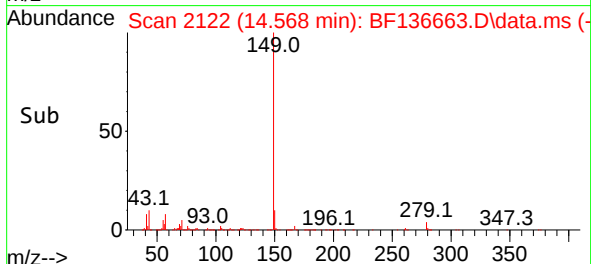
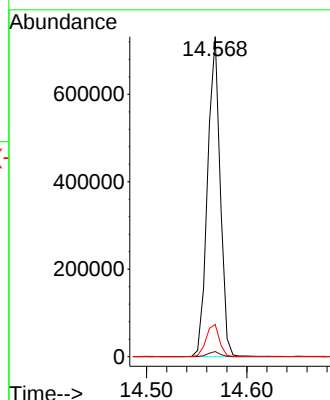
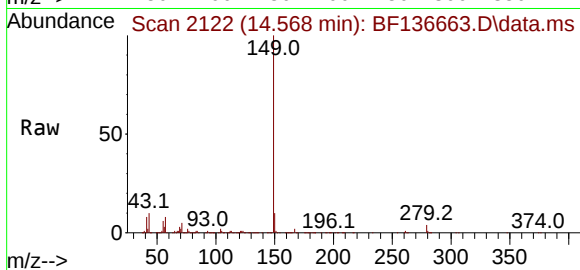
Tgt Ion:149 Resp: 643072

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

43 10.6 8.9 13.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 2271

Delta R.T. 0.000 min

Lab File: BF136663.D

Acq: 21 Dec 2023 11:03

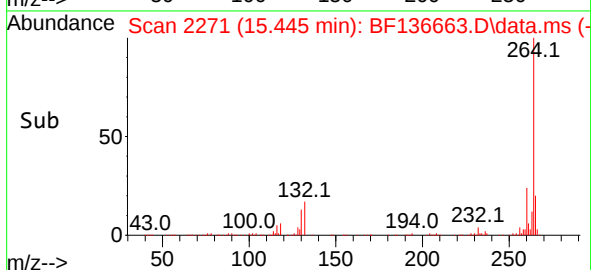
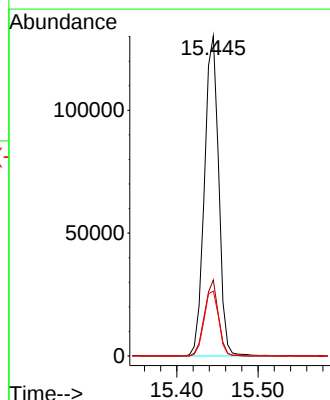
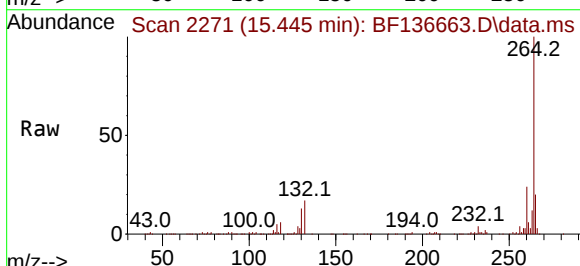
Tgt Ion:264 Resp: 158462

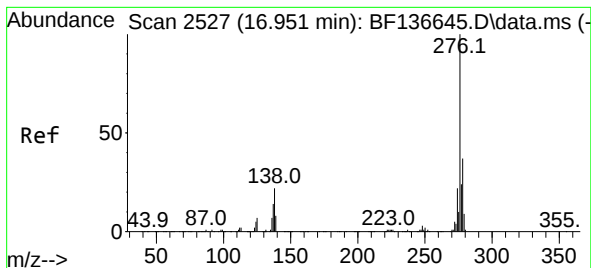
Ion Ratio Lower Upper

264 100

260 23.7 18.3 27.5

265 20.3 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 48.811 ng

RT: 16.951 min Scan# 2198

Delta R.T. 0.000 min

Lab File: BF136663.D

Acq: 21 Dec 2023 11:03

Instrument :

BNA_F

ClientSampleId :

PB157501BSD

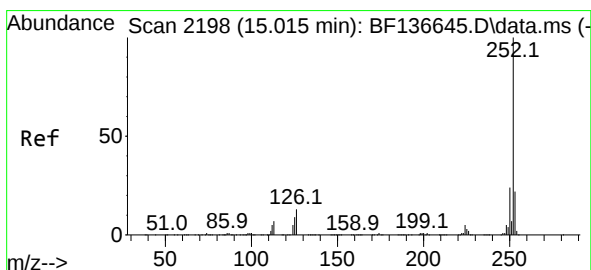
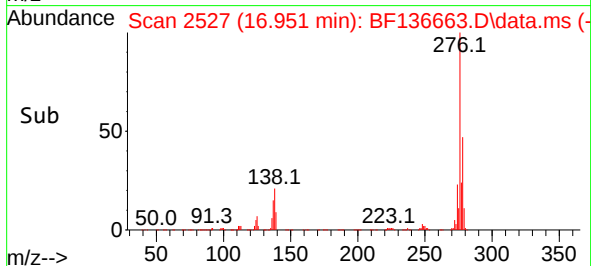
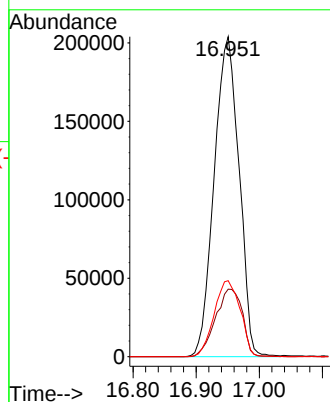
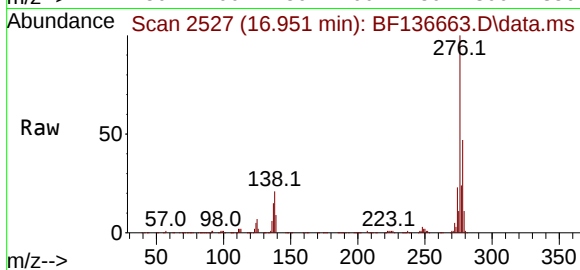
Tgt Ion:276 Resp: 558450

Ion Ratio Lower Upper

276 100

138 22.9 18.7 28.1

277 24.9 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 46.485 ng

RT: 15.016 min Scan# 2198

Delta R.T. 0.000 min

Lab File: BF136663.D

Acq: 21 Dec 2023 11:03

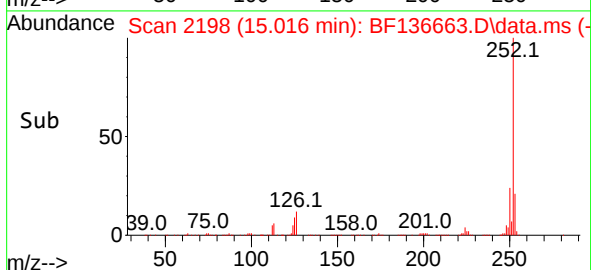
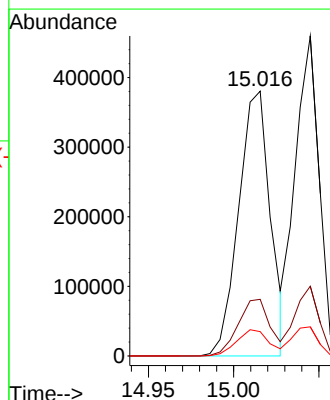
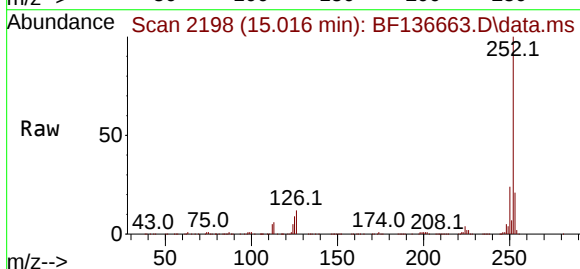
Tgt Ion:252 Resp: 491993

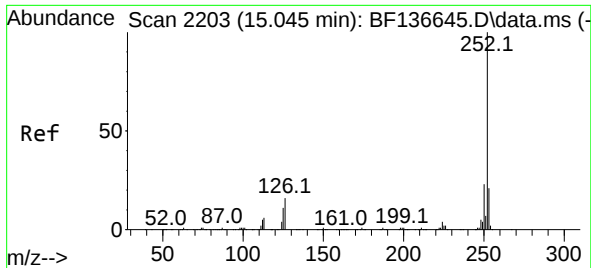
Ion Ratio Lower Upper

252 100

253 21.4 17.4 26.0

125 9.2 7.4 11.2

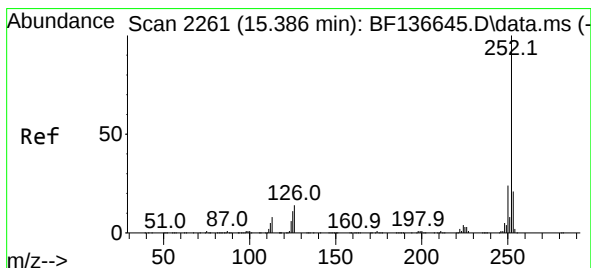
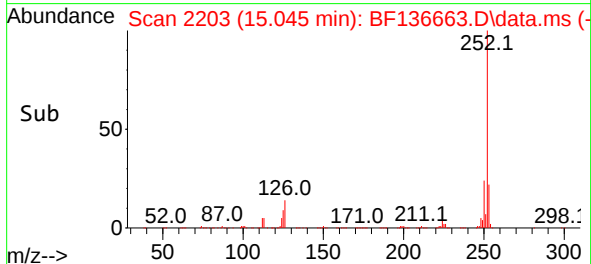
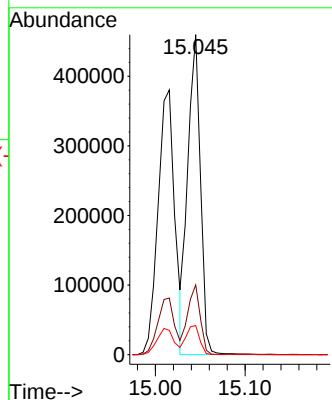
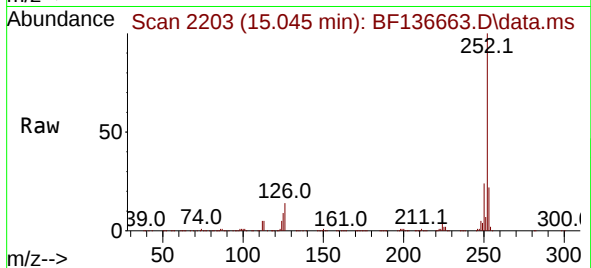




#89
Benzo(k)fluoranthene
Concen: 45.227 ng
RT: 15.045 min Scan# 2203
Delta R.T. 0.000 min
Lab File: BF136663.D
Acq: 21 Dec 2023 11:03

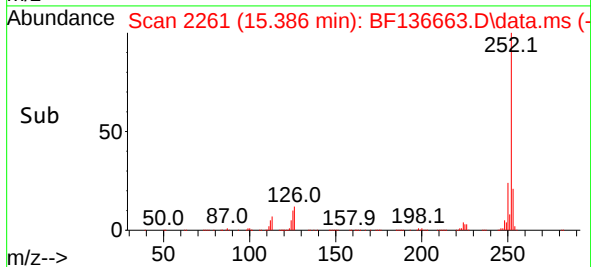
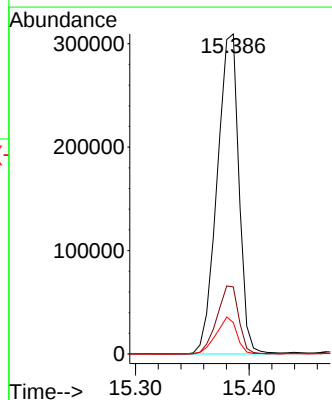
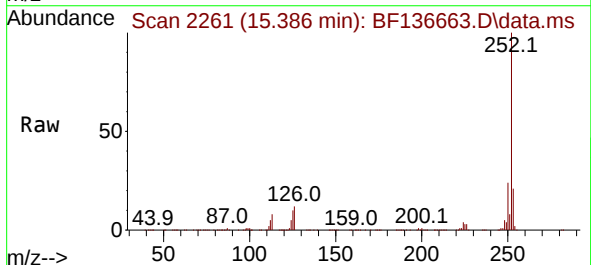
Instrument :
BNA_F
ClientSampleId :
PB157501BSD

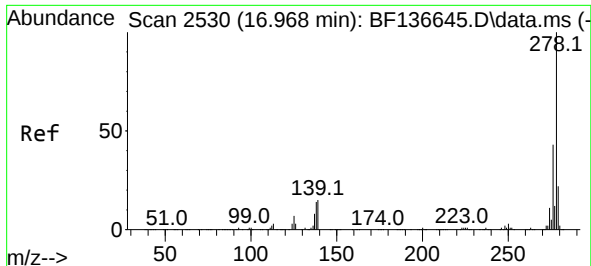
Tgt Ion:252 Resp: 452299
Ion Ratio Lower Upper
252 100
253 21.8 17.0 25.6
125 9.1 8.2 12.4



#90
Benzo(a)pyrene
Concen: 46.245 ng
RT: 15.386 min Scan# 2261
Delta R.T. 0.000 min
Lab File: BF136663.D
Acq: 21 Dec 2023 11:03

Tgt Ion:252 Resp: 413148
Ion Ratio Lower Upper
252 100
253 20.9 17.0 25.6
125 9.8 8.8 13.2

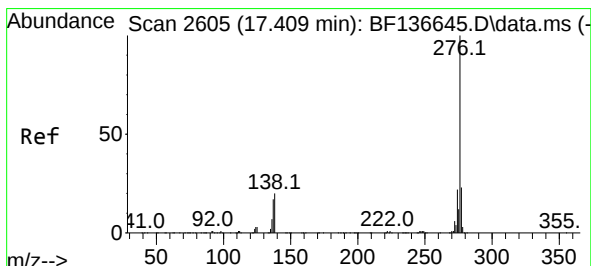
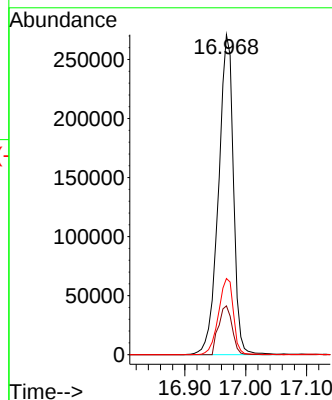
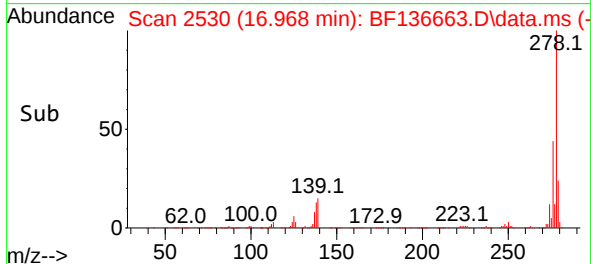
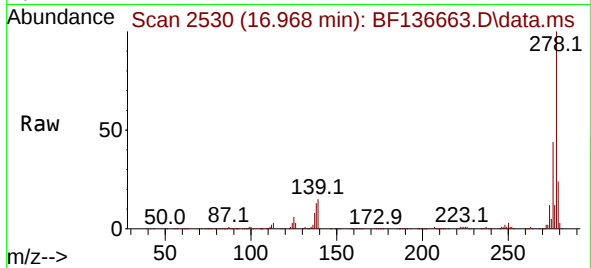




#91
Dibenzo(a,h)anthracene
Concen: 49.264 ng
RT: 16.968 min Scan# 2530
Delta R.T. 0.000 min
Lab File: BF136663.D
Acq: 21 Dec 2023 11:03

Instrument :
BNA_F
ClientSampleId :
PB157501BSD

Tgt Ion:278 Resp: 462413
Ion Ratio Lower Upper
278 100
139 15.2 12.2 18.4
279 23.8 17.8 26.6



#92
Benzo(g,h,i)perylene
Concen: 47.554 ng
RT: 17.409 min Scan# 2605
Delta R.T. 0.000 min
Lab File: BF136663.D
Acq: 21 Dec 2023 11:03

Tgt Ion:276 Resp: 457166
Ion Ratio Lower Upper
276 100
277 23.0 18.3 27.5
138 19.7 15.6 23.4

