

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
 Data File : BF136052.D
 Acq On : 31 Oct 2023 15:32
 Operator : CG\JU
 Sample : 04805-02MS 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-1(0-5)MS

Quant Time: Oct 31 16:10:23 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 31 01:13:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	129260	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	456771	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	186990	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	309314	20.000	ng	0.00
76) Chrysene-d12	14.021	240	291929	20.000	ng	0.00
86) Perylene-d12	15.515	264	300530	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	156729	19.053	ng	0.00
7) Phenol-d6	6.445	99	183358	17.891	ng	-0.01
23) Nitrobenzene-d5	7.381	82	96993	12.801	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	32308	16.187	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	176801	15.072	ng	0.00
79) Terphenyl-d14	12.951	244	185350	9.867	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.581	88	32537	9.084	ng	97
3) Pyridine	3.346	79	72285	7.394	ng	99
4) n-Nitrosodimethylamine	3.281	42	37580	9.193	ng	89
6) Aniline	6.487	93	44362	3.343	ng	98
8) 2-Chlorophenol	6.604	128	85216	9.690	ng	98
9) Benzaldehyde	6.375	77	40471	7.082	ng	99
10) Phenol	6.457	94	102944	9.711	ng	98
11) bis(2-Chloroethyl)ether	6.557	93	82098	9.893	ng	99
12) 1,3-Dichlorobenzene	6.763	146	92058	10.058	ng	99
13) 1,4-Dichlorobenzene	6.840	146	97416	10.620	ng	96
14) 1,2-Dichlorobenzene	6.992	146	88800	10.353	ng	98
15) Benzyl Alcohol	6.957	79	66262	9.118	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.098	45	111298	9.744	ng	99
17) 2-Methylphenol	7.069	107	64686	8.671	ng	99
18) Hexachloroethane	7.334	117	29581	9.175	ng	92
19) n-Nitroso-di-n-propyla...	7.228	70	55878	9.542	ng	98
20) 3+4-Methylphenols	7.222	107	82010	9.015	ng	98
22) Acetophenone	7.228	105	117875	11.638	ng	98
24) Nitrobenzene	7.398	77	78584	10.253	ng	96
25) Isophorone	7.634	82	142978	9.995	ng	95
26) 2-Nitrophenol	7.716	139	34515	9.870	ng	96
27) 2,4-Dimethylphenol	7.751	122	59003	8.929	ng	96
28) bis(2-Chloroethoxy)met...	7.851	93	93197	10.633	ng	100
29) 2,4-Dichlorophenol	7.957	162	57359	9.208	ng	98
30) 1,2,4-Trichlorobenzene	8.045	180	69705	10.257	ng	98
31) Naphthalene	8.122	128	450163	20.437	ng	99
32) Benzoic acid	7.810	122	29749	10.135	ng	98
33) 4-Chloroaniline	8.169	127	42113	4.366	ng	97
34) Hexachlorobutadiene	8.245	225	41860	10.741	ng	98
35) Caprolactam	8.504	113	16921	8.354	ng	92
36) 4-Chloro-3-methylphenol	8.645	107	55811	8.534	ng	96
37) 2-Methylnaphthalene	8.816	142	224557	15.205	ng	100
38) 1-Methylnaphthalene	8.916	142	197614	14.378	ng	99
40) 1,2,4,5-Tetrachloroben...	8.981	216	61436	11.520	ng	98
43) 2,4,6-Trichlorophenol	9.092	196	36025	10.361	ng	99
44) 2,4,5-Trichlorophenol	9.128	196	34598	8.590	ng	98

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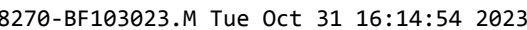
Instrument :
 BNA_F
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 B-1(0-5)MS

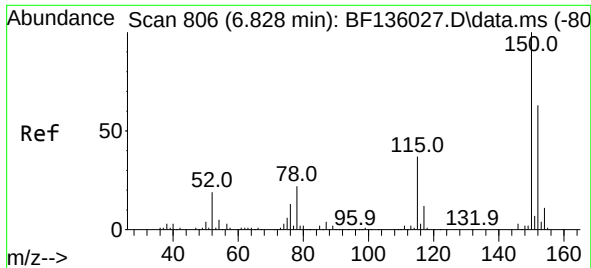
Quant Time: Oct 31 16:10:23 2023
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 31 01:13:02 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	9.281	154	174079	12.212	ng	98
47) 2-Chloronaphthalene	9.304	162	119045	11.329	ng	97
48) 2-Nitroaniline	9.398	65	29646	9.533	ng	98
49) Acenaphthylene	9.722	152	317768	19.384	ng	99
50) Dimethylphthalate	9.581	163	132322	10.728	ng	99
51) 2,6-Dinitrotoluene	9.639	165	24891	9.436	ng	# 90
52) Acenaphthene	9.892	154	222179	21.319	ng	98
53) 3-Nitroaniline	9.804	138	21577	7.010	ng	90
54) 2,4-Dinitrophenol	9.916	184	2353	9.459	ng	# 88
55) Dibenzofuran	10.069	168	277115	18.236	ng	97
56) 4-Nitrophenol	9.963	139	41407	17.984	ng	99
57) 2,4-Dinitrotoluene	10.045	165	30491	9.135	ng	# 91
58) Fluorene	10.410	166	331021	29.094	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.180	232	26970	8.422	ng	# 78
60) Diethylphthalate	10.286	149	116025	9.845	ng	99
61) 4-Chlorophenyl-phenyle...	10.404	204	54934	9.672	ng	96
62) 4-Nitroaniline	10.416	138	24626	8.308	ng	89
63) Azobenzene	10.563	77	105444	9.291	ng	88
65) 4,6-Dinitro-2-methylph...	10.180	198	1425	6.528	ng	88
66) n-Nitrosodiphenylamine	10.522	169	102888	11.027	ng	96
67) 4-Bromophenyl-phenylether	10.898	248	33030	10.185	ng	94
68) Hexachlorobenzene	10.957	284	34726	10.026	ng	# 89
69) Atrazine	11.051	200	33754	13.296	ng	96
70) Pentachlorophenol	11.157	266	36904	16.591	ng	97
71) Phenanthrene	11.380	178	1417517	91.018	ng	100
72) Anthracene	11.433	178	626266	39.243	ng	99
73) Carbazole	11.586	167	202645	14.613	ng	98
74) Di-n-butylphthalate	11.927	149	168827	10.654	ng	99
75) Fluoranthene	12.586	202	2236639	139.796	ng	98
77) Benzidine	12.704	184	16929	2.975	ng	# 85
78) Pyrene	12.816	202	2102830	81.702	ng	100
80) Butylbenzylphthalate	13.439	149	80009	8.684	ng	99
81) Benzo(a)anthracene	14.010	228	1387756	71.806	ng	95
82) 3,3'-Dichlorobenzidine	13.974	252	56409	9.145	ng	98
83) Chrysene	14.045	228	1153071	60.582	ng	96
84) Bis(2-ethylhexyl)phtha...	14.010	149	110529	10.298	ng	98
85) Di-n-octyl phthalate	14.627	149	210430	13.087	ng	# 94
87) Indeno(1,2,3-cd)pyrene	17.039	276	655676	33.382	ng	96
88) Benzo(b)fluoranthene	15.080	252	1645713	92.545	ng	# 97
89) Benzo(k)fluoranthene	15.080	252	1645713	93.532	ng	97
90) Benzo(a)pyrene	15.457	252	1209527	73.203	ng	97
91) Dibenzo(a,h)anthracene	17.056	278	245802	15.278	ng	97
92) Benzo(g,h,i)perylene	17.498	276	561341	31.692	ng	99

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

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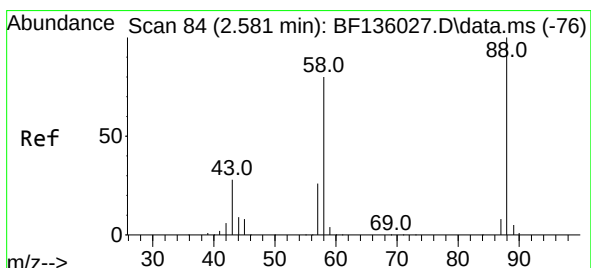
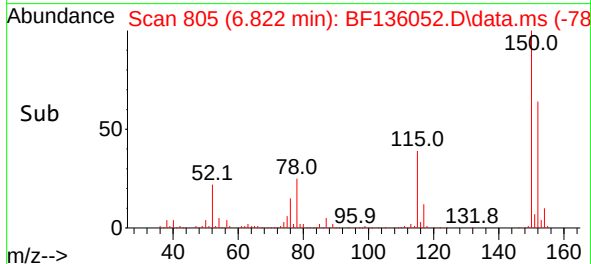
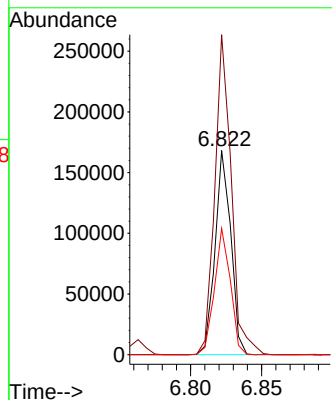
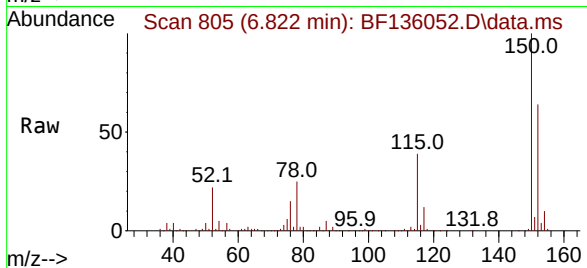




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.822 min Scan# 80
 Delta R.T. -0.006 min
 Lab File: BF136052.D
 Acq: 31 Oct 2023 15:32

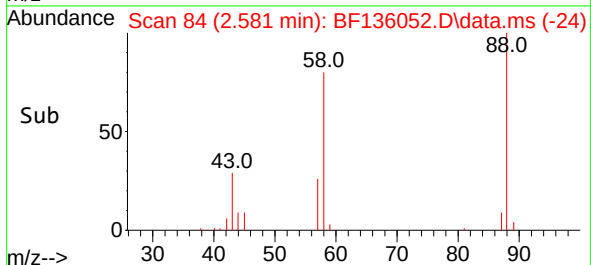
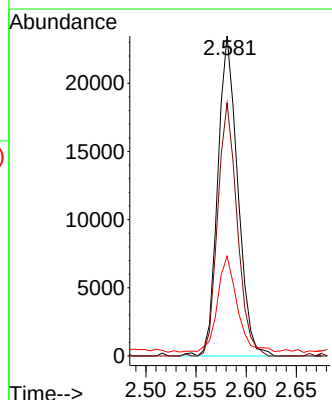
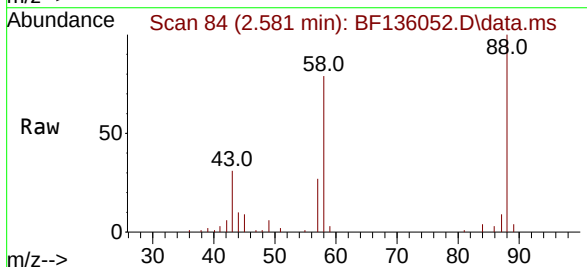
Instrument :
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 B-1(0-5)MS

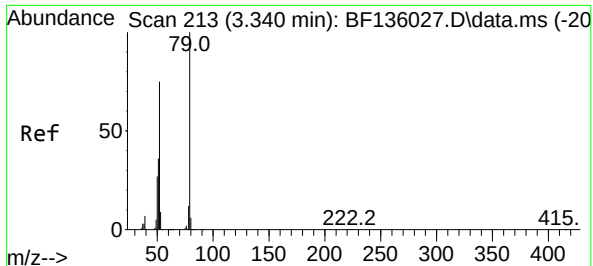
Tgt Ion:152 Resp: 129260
 Ion Ratio Lower Upper
 152 100
 150 156.8 126.4 189.6
 115 61.9 47.0 70.4



#2
 1,4-Dioxane
 Concen: 9.084 ng
 RT: 2.581 min Scan# 84
 Delta R.T. 0.000 min
 Lab File: BF136052.D
 Acq: 31 Oct 2023 15:32

Tgt Ion: 88 Resp: 32537
 Ion Ratio Lower Upper
 88 100
 58 77.1 64.3 96.5
 43 28.5 22.3 33.5

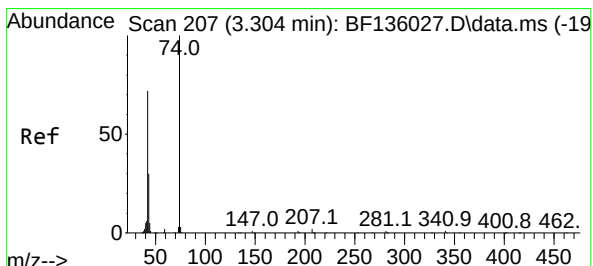
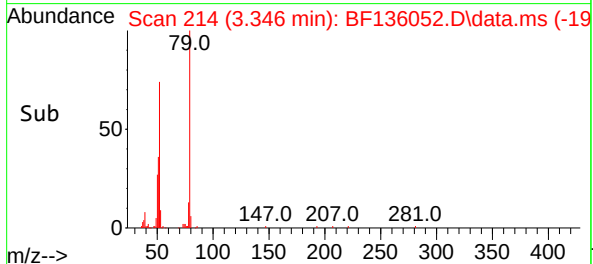
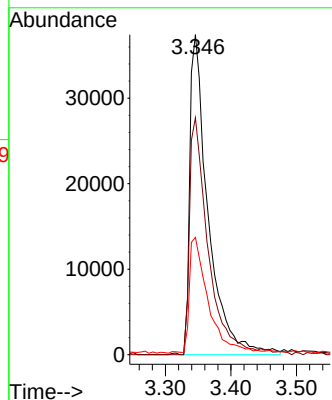
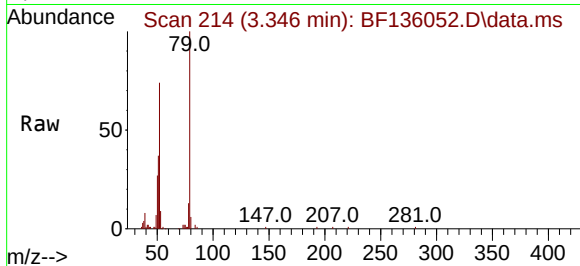




#3
 Pyridine
 Concen: 7.394 ng
 RT: 3.346 min Scan# 213
 Delta R.T. 0.006 min
 Lab File: BF136052.D
 Acq: 31 Oct 2023 15:32

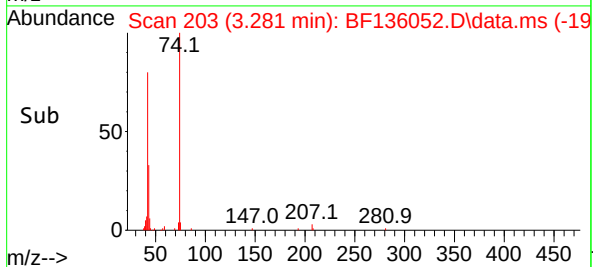
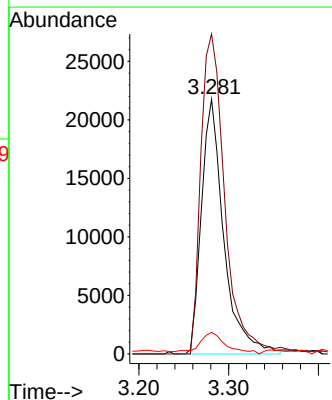
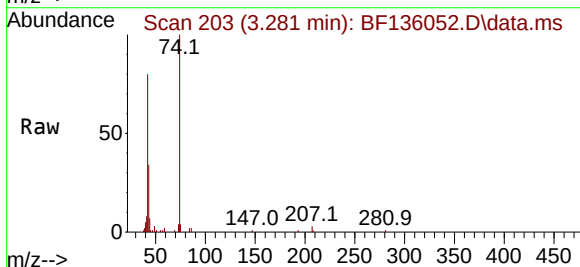
Instrument :
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 ClientSampleId :
 B-1(0-5)MS

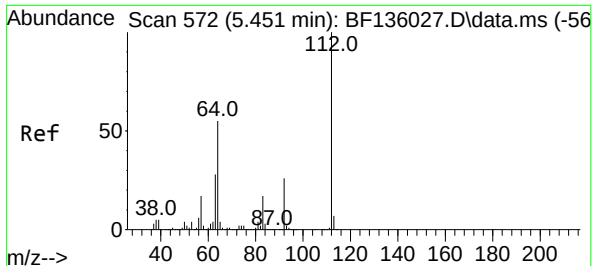
Tgt Ion: 79 Resp: 72285
 Ion Ratio Lower Upper
 79 100
 52 74.0 60.3 90.5
 51 36.6 29.3 43.9



#4
 n-Nitrosodimethylamine
 Concen: 9.193 ng
 RT: 3.281 min Scan# 203
 Delta R.T. -0.023 min
 Lab File: BF136052.D
 Acq: 31 Oct 2023 15:32

Tgt Ion: 42 Resp: 37580
 Ion Ratio Lower Upper
 42 100
 74 125.6 111.8 167.6
 44 8.5 6.2 9.4

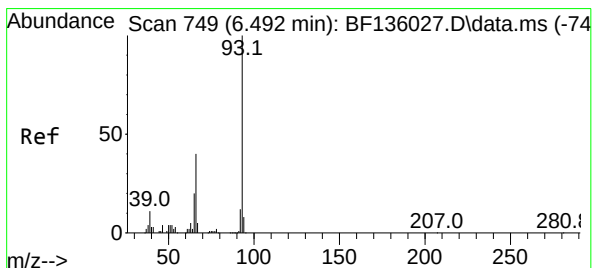
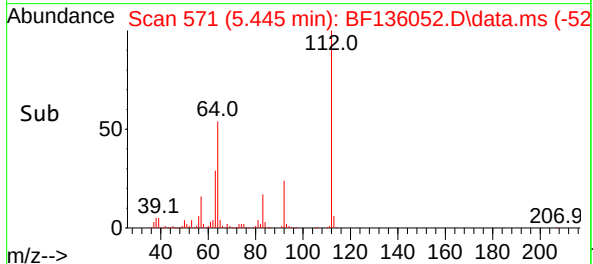
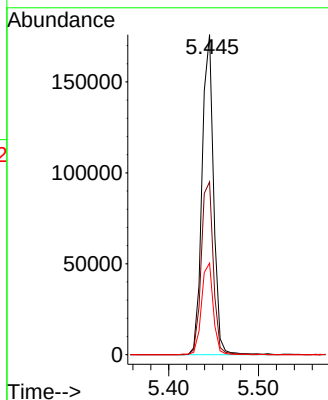
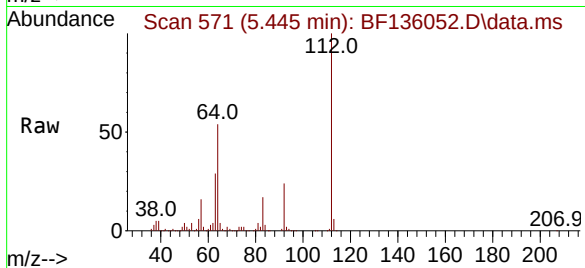




#5
2-Fluorophenol
Concen: 19.053 ng
RT: 5.445 min Scan# 51
Delta R.T. -0.006 min
Lab File: BF136052.D
Acq: 31 Oct 2023 15:32

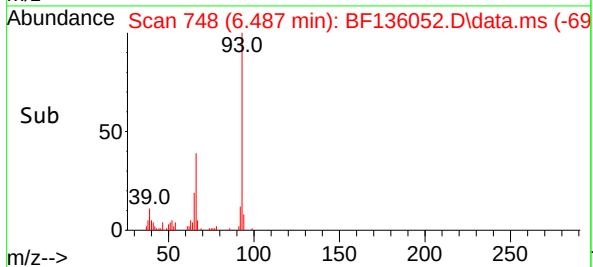
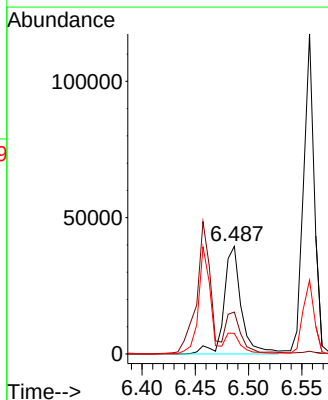
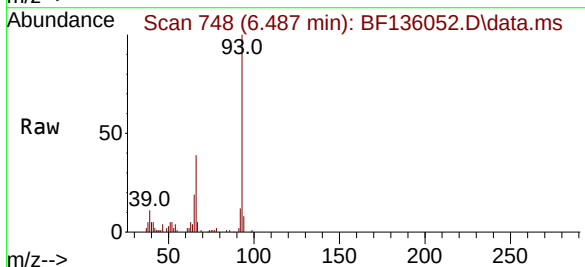
Instrument :
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ClientSampleId :
B-1(0-5)MS

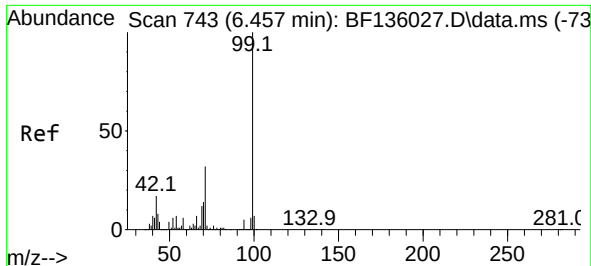
Tgt Ion:112 Resp: 156729
Ion Ratio Lower Upper
112 100
64 54.0 43.9 65.9
63 28.6 22.4 33.6



#6
Aniline
Concen: 3.343 ng
RT: 6.487 min Scan# 748
Delta R.T. -0.006 min
Lab File: BF136052.D
Acq: 31 Oct 2023 15:32

Tgt Ion: 93 Resp: 44362
Ion Ratio Lower Upper
93 100
66 39.0 32.4 48.6
65 19.2 16.2 24.2

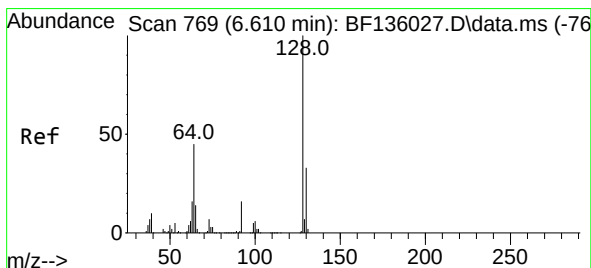
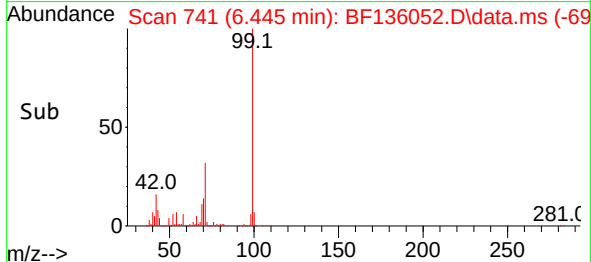
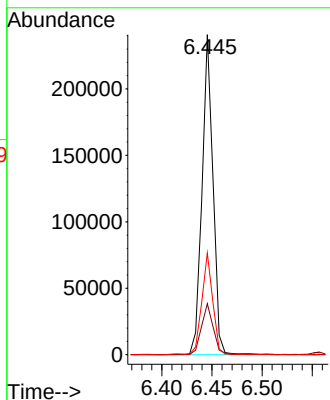
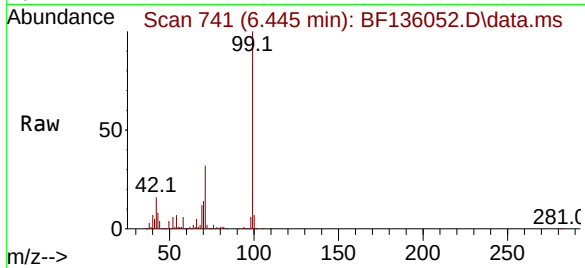




#7
Phenol-d6
Concen: 17.891 ng
RT: 6.445 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF136052.D
Acq: 31 Oct 2023 15:32

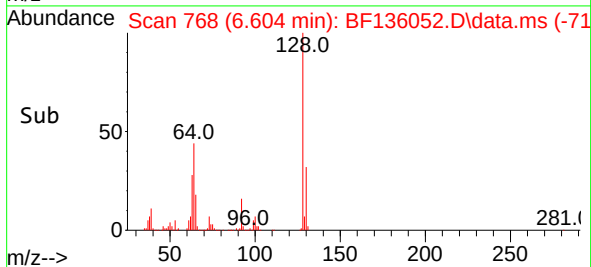
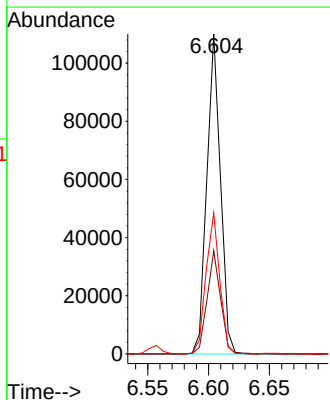
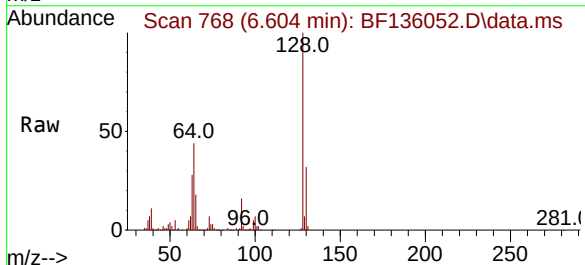
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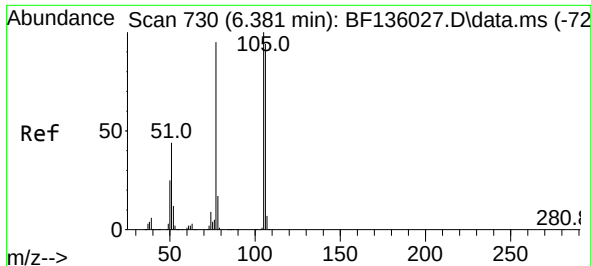
Tgt Ion: 99 Resp: 183358
Ion Ratio Lower Upper
99 100
42 16.0 13.7 20.5
71 31.8 25.9 38.9



#8
2-Chlorophenol
Concen: 9.690 ng
RT: 6.604 min Scan# 768
Delta R.T. -0.006 min
Lab File: BF136052.D
Acq: 31 Oct 2023 15:32

Tgt Ion:128 Resp: 85216
Ion Ratio Lower Upper
128 100
130 32.3 12.8 52.8
64 44.1 25.8 65.8





#9

Benzaldehyde

Concen: 7.082 ng

RT: 6.375 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF136052.D

Acq: 31 Oct 2023 15:32

Instrument :

BNA_F

ClientSampleId :

B-1(0-5)MS

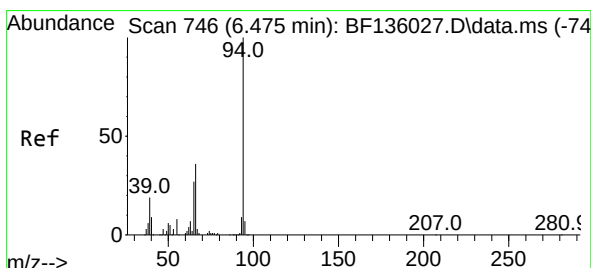
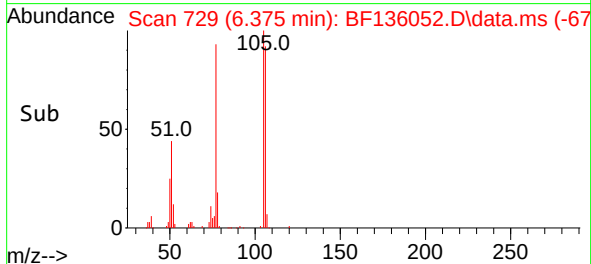
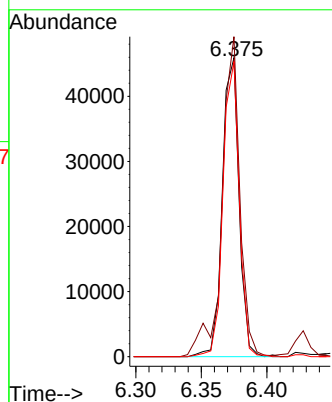
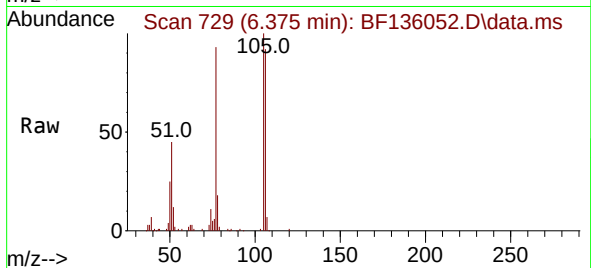
Tgt Ion: 77 Resp: 40471

Ion Ratio Lower Upper

77 100

105 107.1 85.7 125.7

106 98.7 79.8 119.8



#10

Phenol

Concen: 9.711 ng

RT: 6.457 min Scan# 743

Delta R.T. -0.018 min

Lab File: BF136052.D

Acq: 31 Oct 2023 15:32

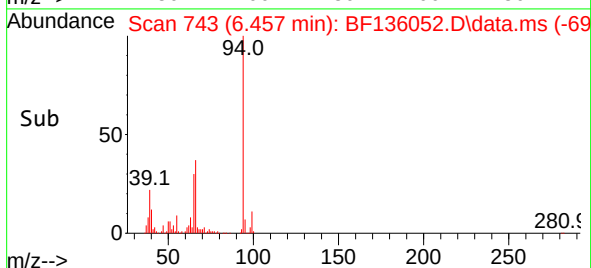
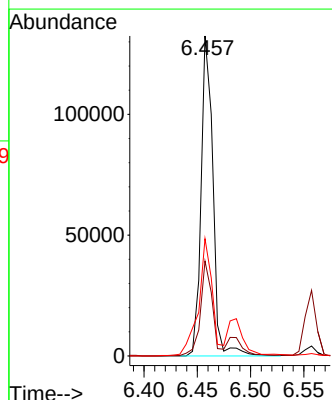
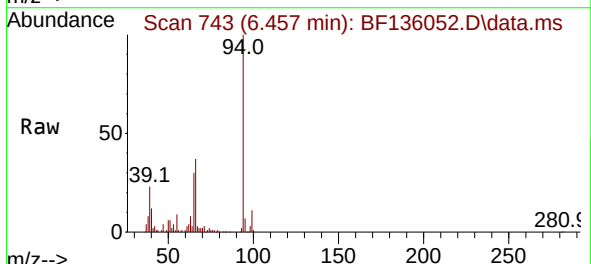
Tgt Ion: 94 Resp: 102944

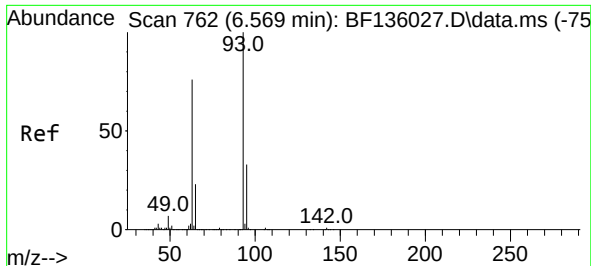
Ion Ratio Lower Upper

94 100

65 29.7 7.5 47.5

66 36.7 17.1 57.1





#11

bis(2-Chloroethyl)ether

Concen: 9.893 ng

RT: 6.557 min Scan# 760

Delta R.T. -0.012 min

Lab File: BF136052.D

Acq: 31 Oct 2023 15:32

Instrument :

BNA_F

ClientSampleId :

B-1(0-5)MS

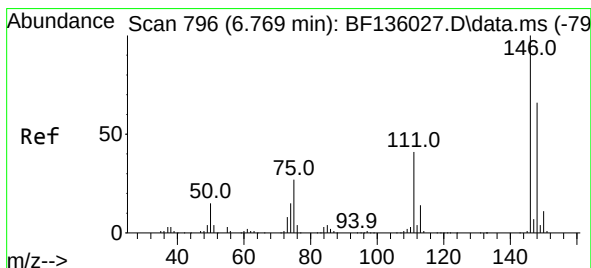
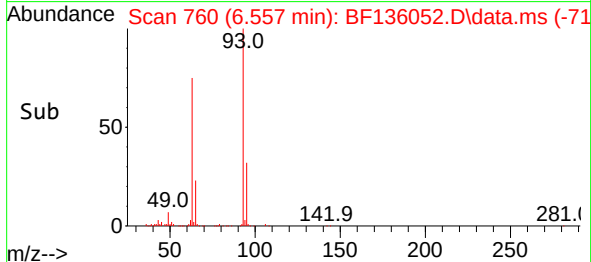
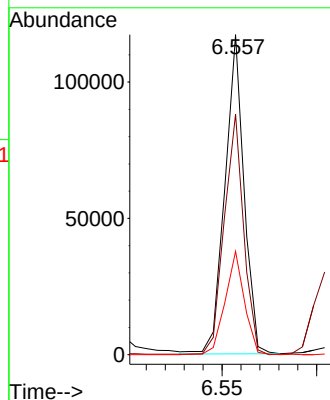
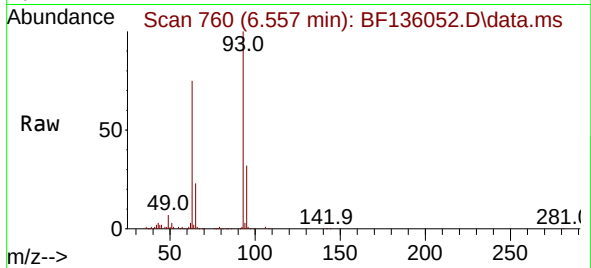
Tgt Ion: 93 Resp: 82098

Ion Ratio Lower Upper

93 100

63 75.2 55.8 95.8

95 32.3 12.9 52.9



#12

1,3-Dichlorobenzene

Concen: 10.058 ng

RT: 6.763 min Scan# 795

Delta R.T. -0.006 min

Lab File: BF136052.D

Acq: 31 Oct 2023 15:32

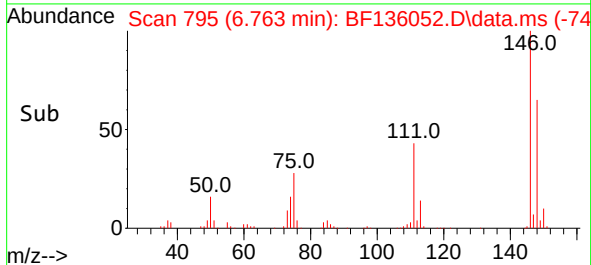
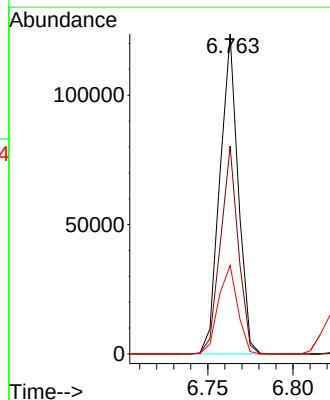
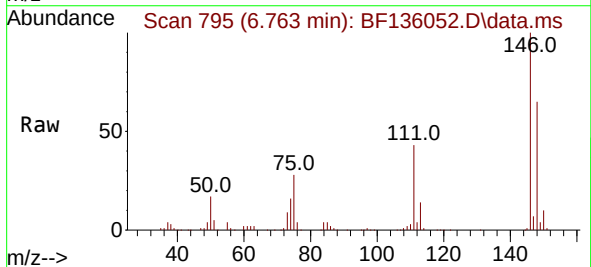
Tgt Ion:146 Resp: 92058

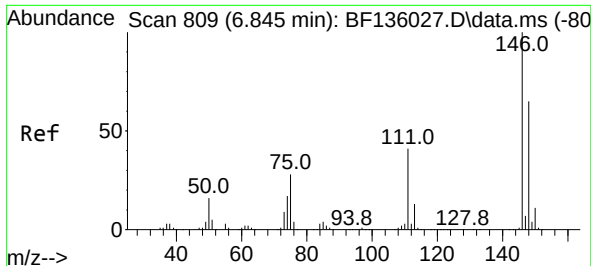
Ion Ratio Lower Upper

146 100

148 65.0 52.6 78.8

75 27.7 21.6 32.4





#13

1,4-Dichlorobenzene

Concen: 10.620 ng

RT: 6.840 min Scan# 809

Delta R.T. -0.006 min

Lab File: BF136052.D

Acq: 31 Oct 2023 15:32

Instrument :

BNA_F

ClientSampleId :

B-1(0-5)MS

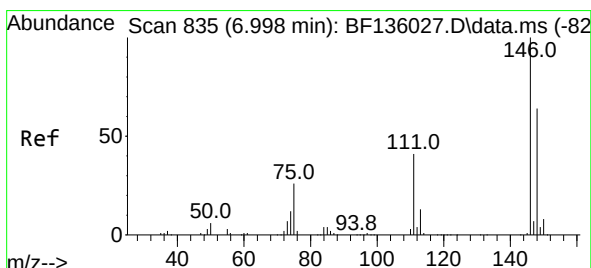
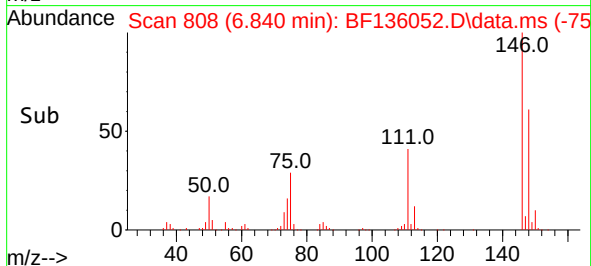
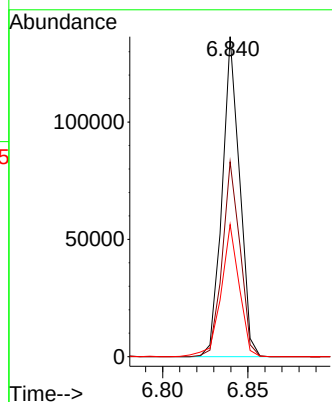
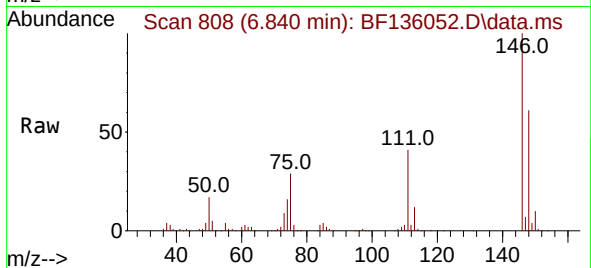
Tgt Ion:146 Resp: 97416

Ion Ratio Lower Upper

146 100

148 60.9 52.1 78.1

111 41.3 32.6 48.8



#14

1,2-Dichlorobenzene

Concen: 10.353 ng

RT: 6.992 min Scan# 834

Delta R.T. -0.006 min

Lab File: BF136052.D

Acq: 31 Oct 2023 15:32

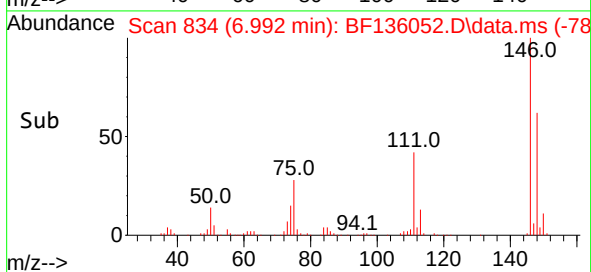
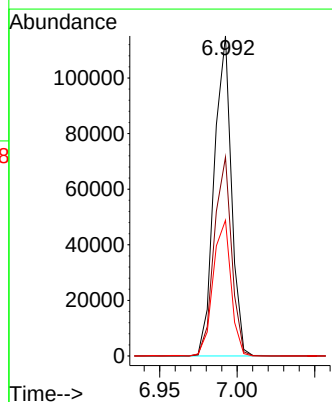
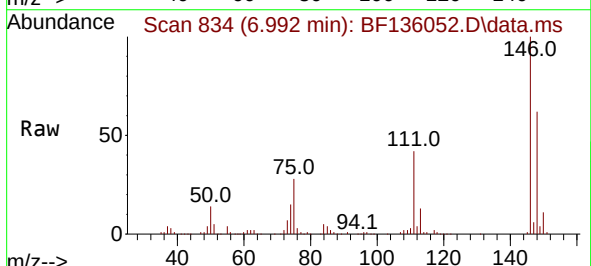
Tgt Ion:146 Resp: 88800

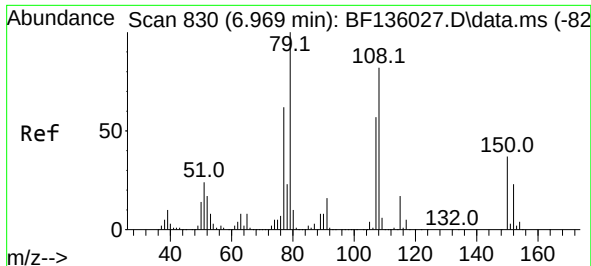
Ion Ratio Lower Upper

146 100

148 62.1 51.4 77.2

111 42.4 33.0 49.4

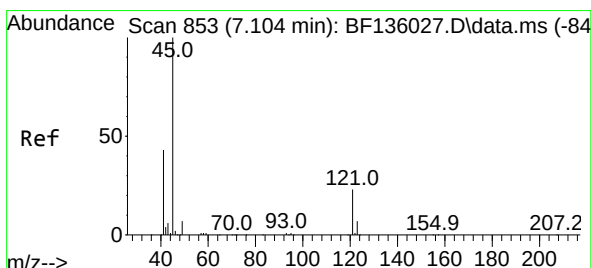
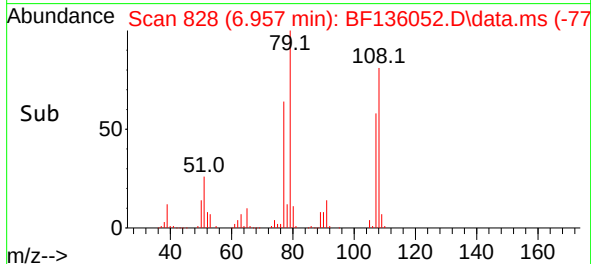
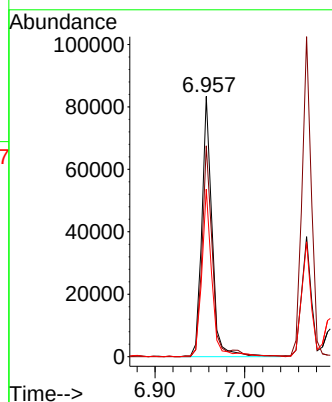
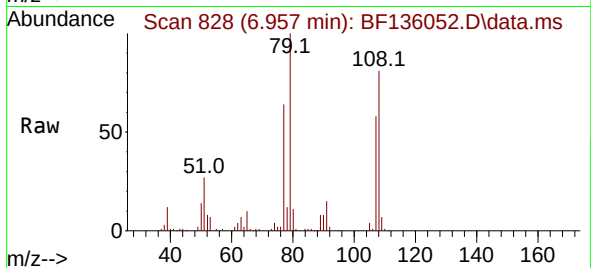




#15
Benzyl Alcohol
Concen: 9.118 ng
RT: 6.957 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF136052.D
Acq: 31 Oct 2023 15:32

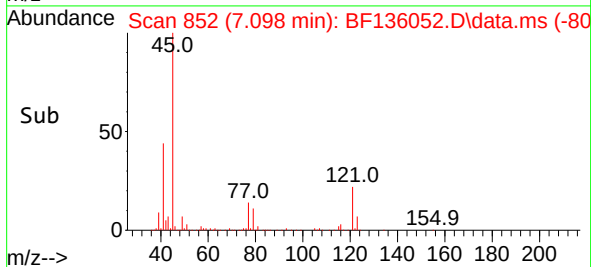
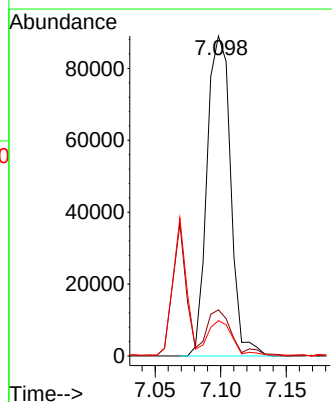
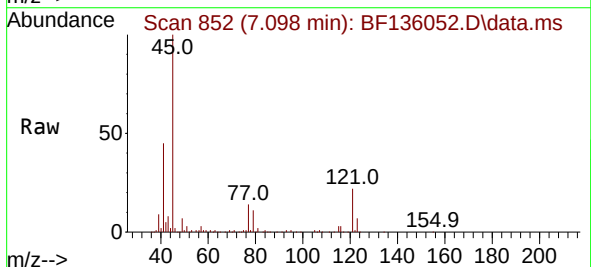
Instrument :
BNA_F
ClientSampleId :
B-1(0-5)MS

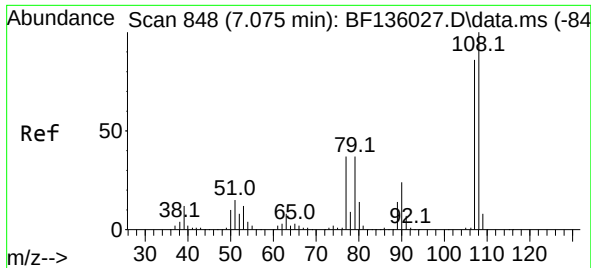
Tgt Ion: 79 Resp: 66262
Ion Ratio Lower Upper
79 100
108 81.0 65.9 98.9
77 64.4 49.4 74.2



#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.744 ng
RT: 7.098 min Scan# 852
Delta R.T. -0.006 min
Lab File: BF136052.D
Acq: 31 Oct 2023 15:32

Tgt Ion: 45 Resp: 111298
Ion Ratio Lower Upper
45 100
77 14.4 0.0 34.6
79 11.1 0.0 30.6

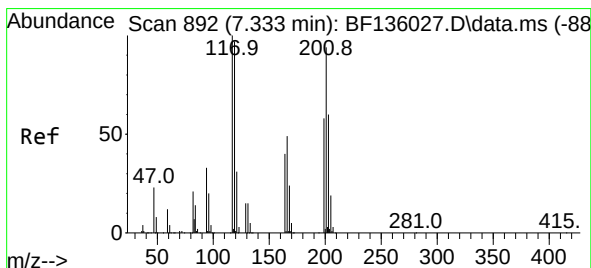
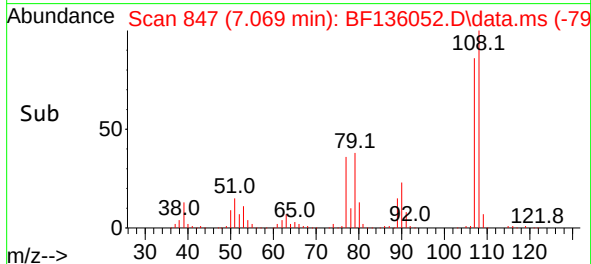
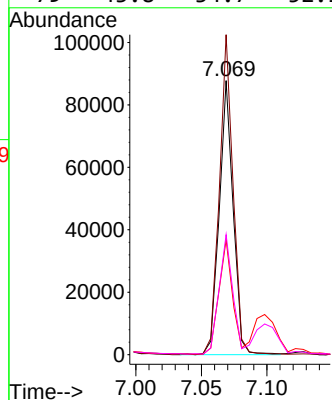
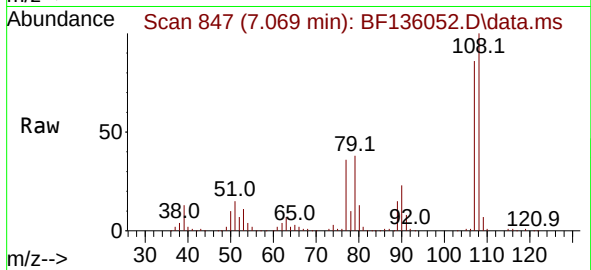




#17
2-Methylphenol
Concen: 8.671 ng
RT: 7.069 min Scan# 848
Delta R.T. -0.006 min
Lab File: BF136052.D
Acq: 31 Oct 2023 15:32

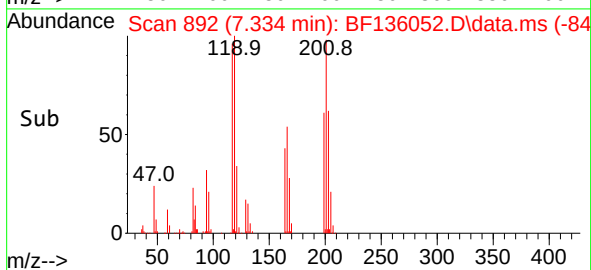
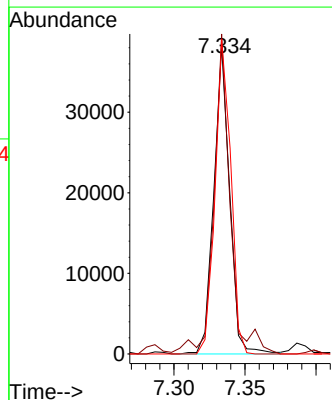
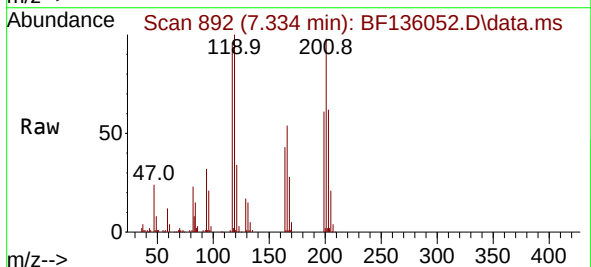
Instrument :
BNA_F
ClientSampleId :
B-1(0-5)MS

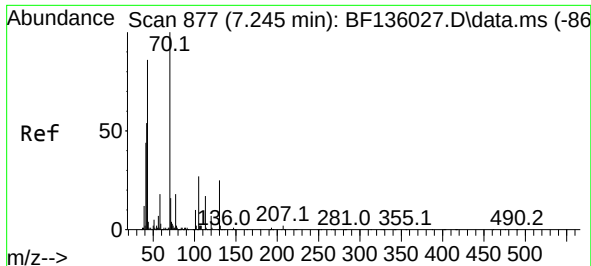
Tgt Ion:	107	Resp:	64686
Ion	Ratio	Lower	Upper
107	100		
108	116.7	93.4	140.2
77	41.9	34.4	51.6
79	43.8	34.7	52.1



#18
Hexachloroethane
Concen: 9.175 ng
RT: 7.334 min Scan# 892
Delta R.T. 0.000 min
Lab File: BF136052.D
Acq: 31 Oct 2023 15:32

Tgt Ion:	117	Resp:	29581
Ion	Ratio	Lower	Upper
117	100		
119	103.8	77.7	116.5
201	102.2	75.0	112.6



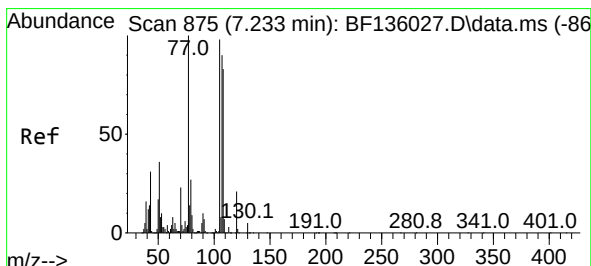
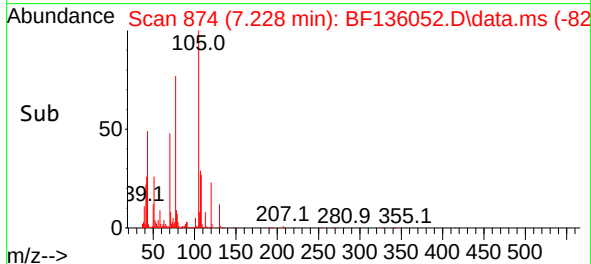
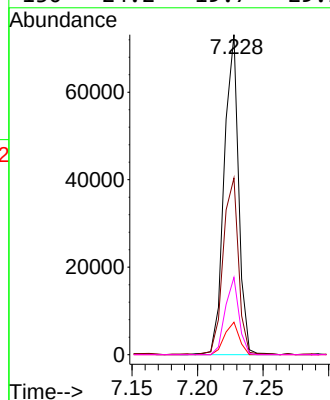
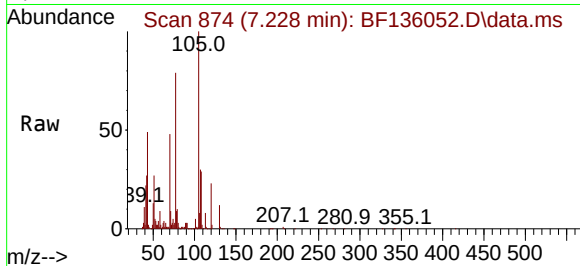


#19
n-Nitroso-di-n-propylamine
Concen: 9.542 ng
RT: 7.228 min Scan# 81
Delta R.T. -0.018 min
Lab File: BF136052.D
Acq: 31 Oct 2023 15:32

Instrument :
BNA_F
ClientSampleId :
B-1(0-5)MS

Tgt Ion: 70 Resp: 55878

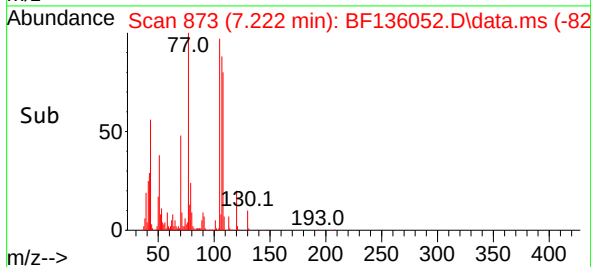
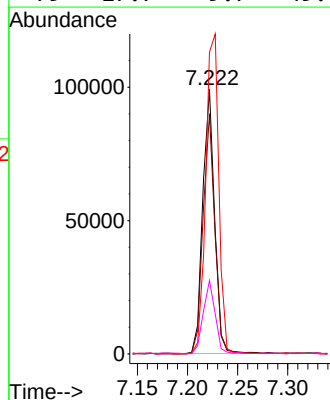
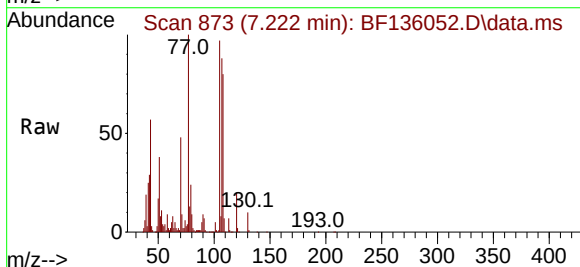
Ion	Ratio	Lower	Upper
70	100		
42	55.2	43.0	64.4
101	10.1	8.0	12.0
130	24.2	19.7	29.5

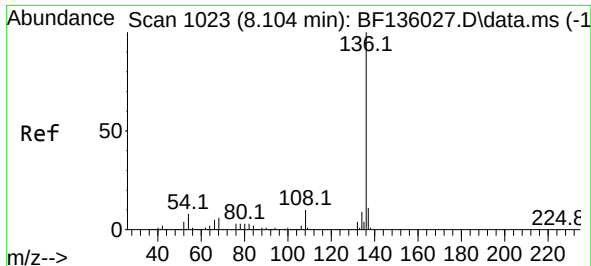


#20
3+4-Methylphenols
Concen: 9.015 ng
RT: 7.222 min Scan# 873
Delta R.T. -0.012 min
Lab File: BF136052.D
Acq: 31 Oct 2023 15:32

Tgt Ion: 107 Resp: 82010

Ion	Ratio	Lower	Upper
107	100		
108	90.8	72.3	112.3
77	114.1	91.4	131.4
79	27.7	9.7	49.7

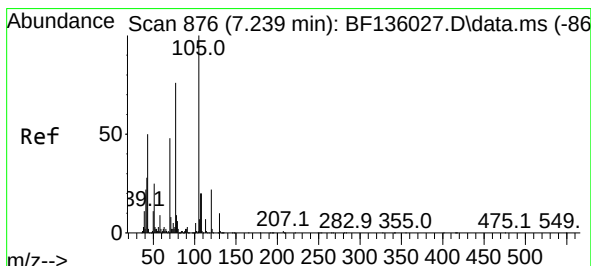
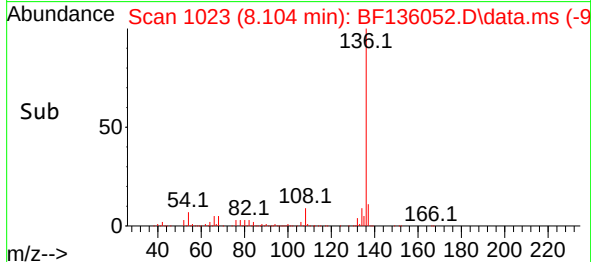
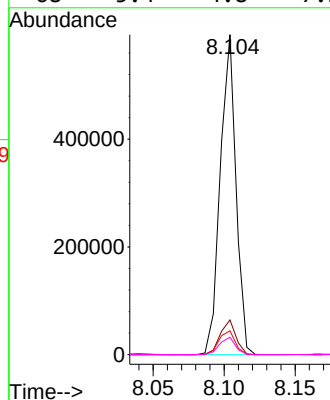
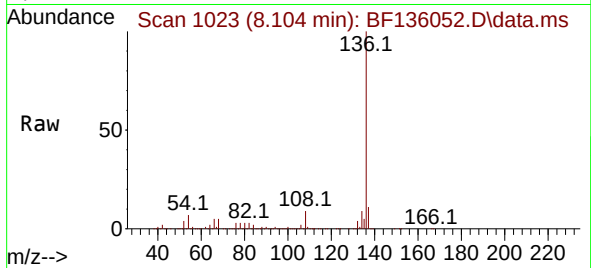




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF136052.D
Acq: 31 Oct 2023 15:32

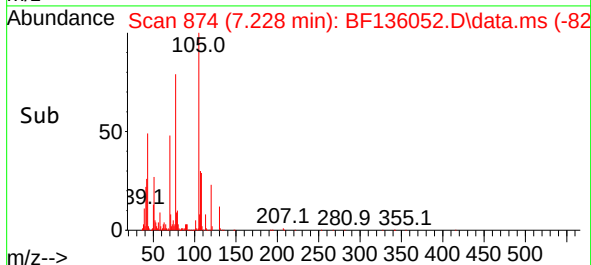
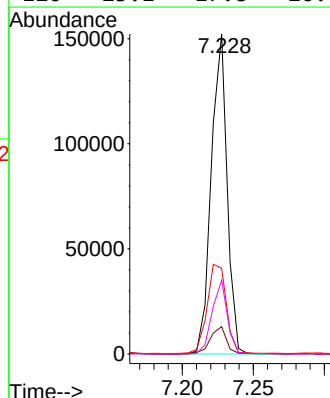
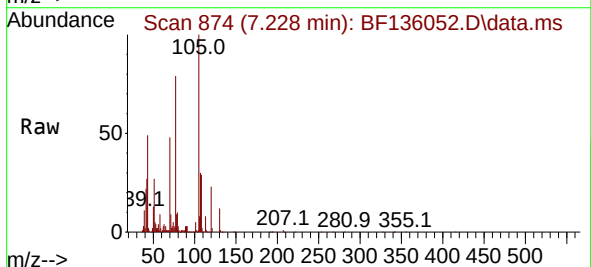
Instrument :
BNA_F
ClientSampleId :
B-1(0-5)MS

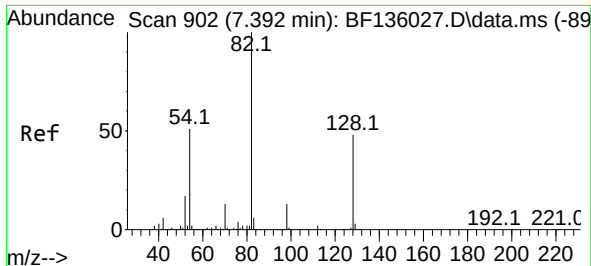
Tgt Ion:	136	Resp:	456771
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	7.5	6.6	9.8
68	5.4	4.8	7.2



#22
Acetophenone
Concen: 11.638 ng
RT: 7.228 min Scan# 874
Delta R.T. -0.012 min
Lab File: BF136052.D
Acq: 31 Oct 2023 15:32

Tgt Ion:	105	Resp:	117875
Ion	Ratio	Lower	Upper
105	100		
71	8.5	6.5	9.7
51	26.8	20.3	30.5
120	23.1	17.8	26.8





#23

Nitrobenzene-d5

Concen: 12.801 ng

RT: 7.381 min Scan# 900

Delta R.T. -0.012 min

Lab File: BF136052.D

Acq: 31 Oct 2023 15:32

Instrument :

BNA_F

ClientSampleId :

B-1(0-5)MS

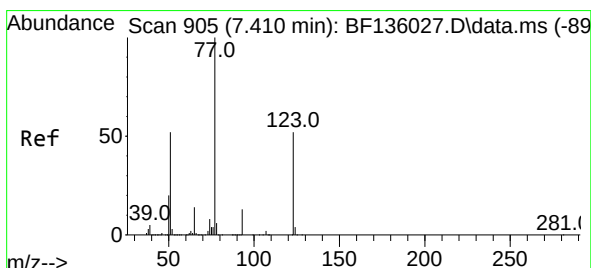
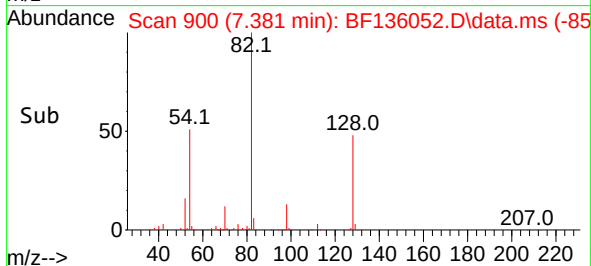
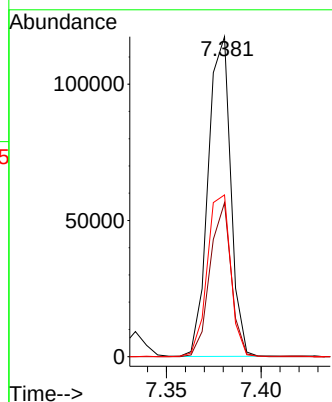
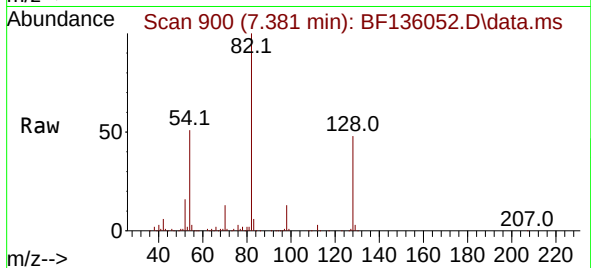
Tgt Ion: 82 Resp: 96993

Ion Ratio Lower Upper

82 100

128 48.1 38.6 57.8

54 50.6 40.8 61.2



#24

Nitrobenzene

Concen: 10.253 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.012 min

Lab File: BF136052.D

Acq: 31 Oct 2023 15:32

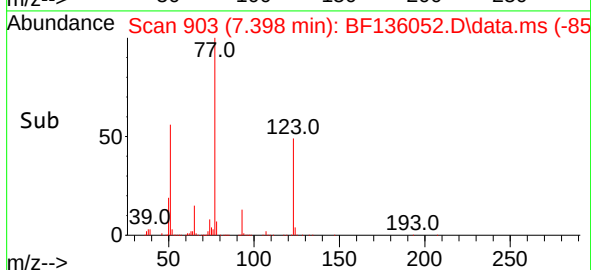
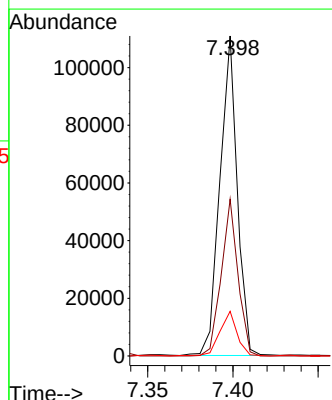
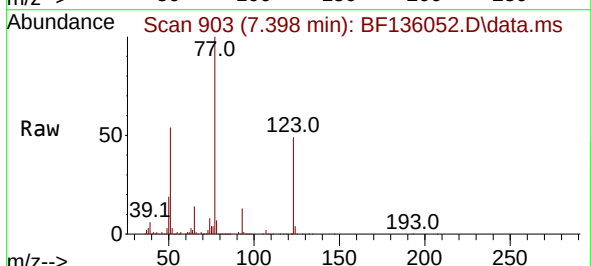
Tgt Ion: 77 Resp: 78584

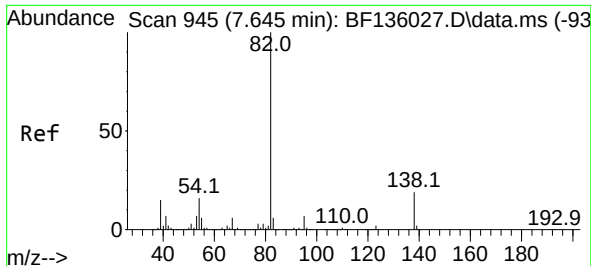
Ion Ratio Lower Upper

77 100

123 49.0 42.3 63.5

65 13.9 11.0 16.6

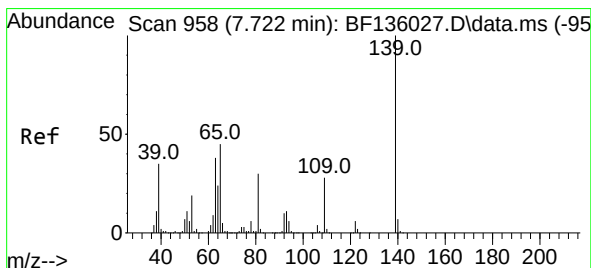
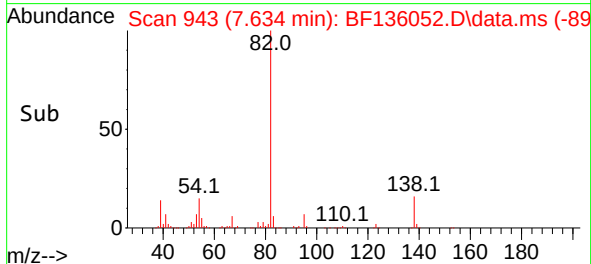
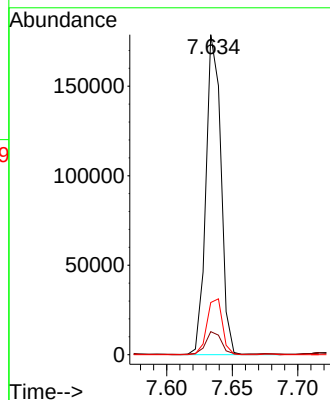
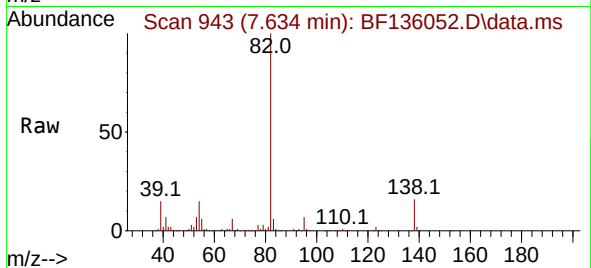




#25
Isophorone
Concen: 9.995 ng
RT: 7.634 min Scan# 945
Delta R.T. -0.012 min
Lab File: BF136052.D
Acq: 31 Oct 2023 15:32

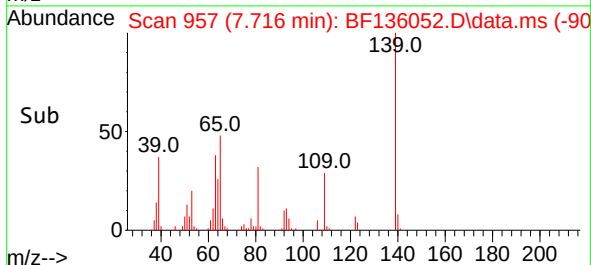
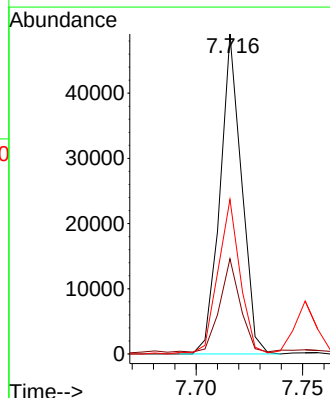
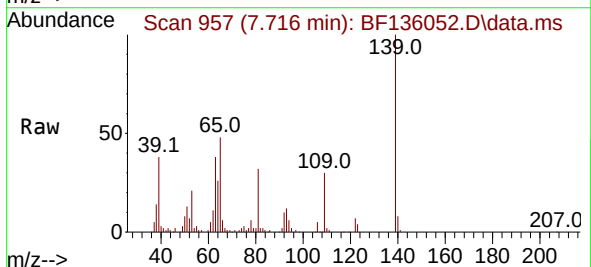
Instrument :
BNA_F
ClientSampleId :
B-1(0-5)MS

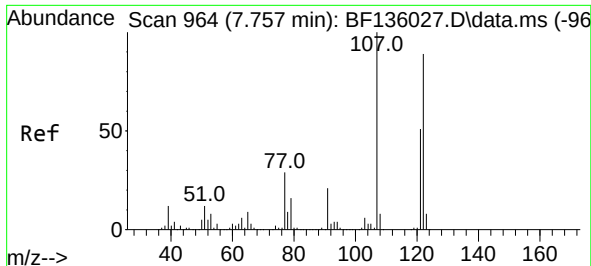
Tgt Ion: 82 Resp: 142978
Ion Ratio Lower Upper
82 100
95 7.2 5.9 8.9
138 16.3 15.3 22.9



#26
2-Nitrophenol
Concen: 9.870 ng
RT: 7.716 min Scan# 957
Delta R.T. -0.006 min
Lab File: BF136052.D
Acq: 31 Oct 2023 15:32

Tgt Ion:139 Resp: 34515
Ion Ratio Lower Upper
139 100
109 29.8 22.6 34.0
65 48.3 36.3 54.5





#27

2,4-Dimethylphenol

Concen: 8.929 ng

RT: 7.751 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF136052.D

Acq: 31 Oct 2023 15:32

Instrument :

BNA_F

ClientSampleId :

B-1(0-5)MS

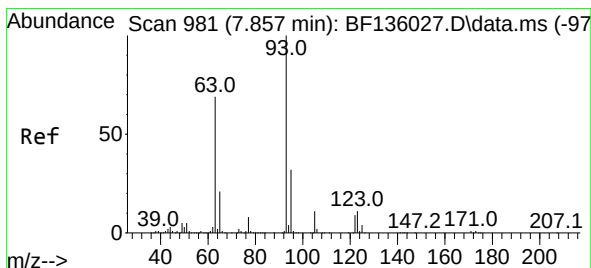
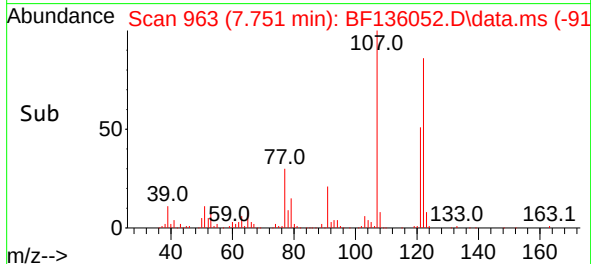
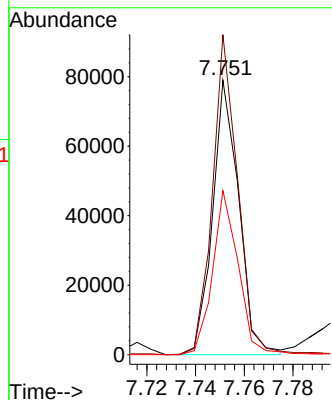
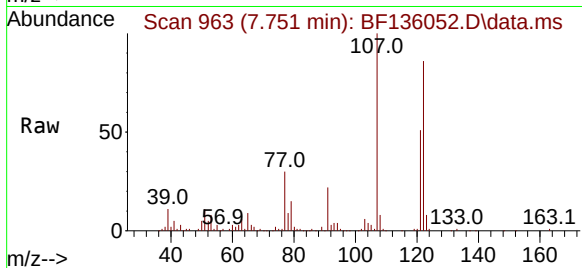
Tgt Ion:122 Resp: 59003

Ion Ratio Lower Upper

122 100

107 116.6 89.6 134.4

121 59.8 46.0 69.0



#28

bis(2-Chloroethoxy)methane

Concen: 10.633 ng

RT: 7.851 min Scan# 980

Delta R.T. -0.006 min

Lab File: BF136052.D

Acq: 31 Oct 2023 15:32

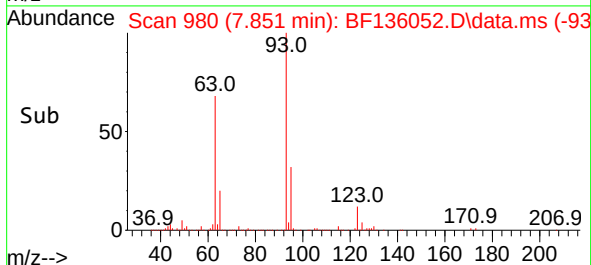
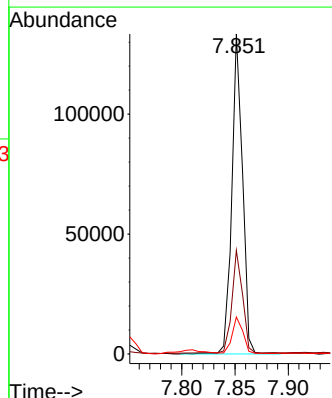
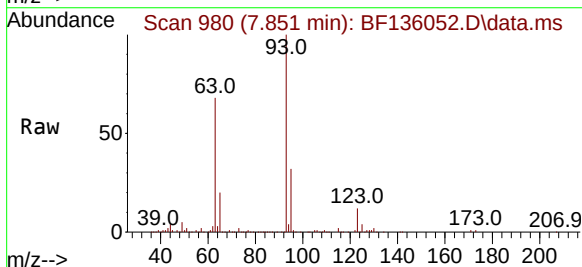
Tgt Ion: 93 Resp: 93197

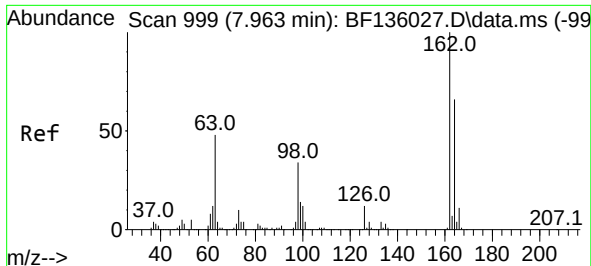
Ion Ratio Lower Upper

93 100

95 32.3 25.7 38.5

123 11.6 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 9.208 ng

RT: 7.957 min Scan# 99

Delta R.T. -0.006 min

Lab File: BF136052.D

Acq: 31 Oct 2023 15:32

Instrument :

BNA_F

ClientSampleId :

B-1(0-5)MS

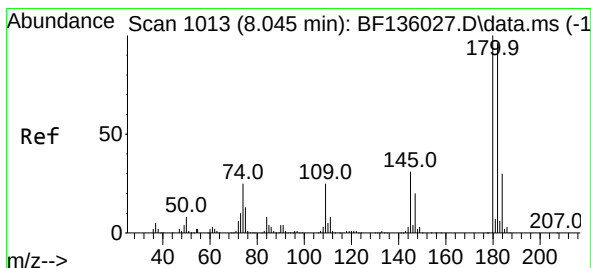
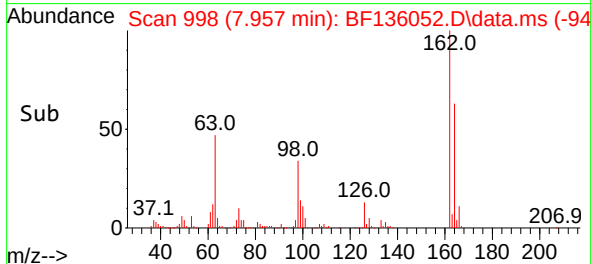
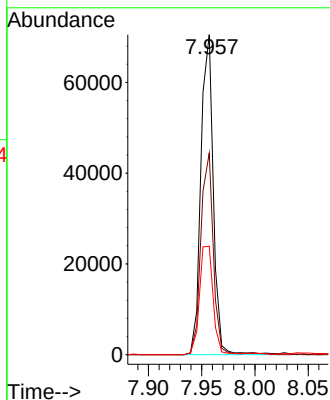
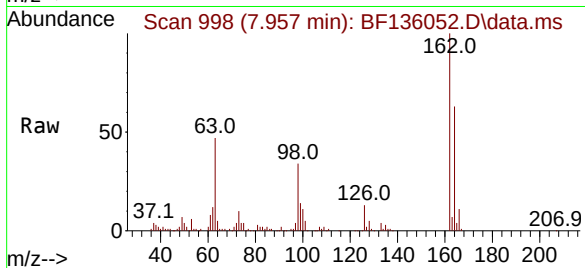
Tgt Ion:162 Resp: 57359

Ion Ratio Lower Upper

162 100

164 63.0 45.5 85.5

98 33.9 14.4 54.4



#30

1,2,4-Trichlorobenzene

Concen: 10.257 ng

RT: 8.045 min Scan# 1013

Delta R.T. 0.000 min

Lab File: BF136052.D

Acq: 31 Oct 2023 15:32

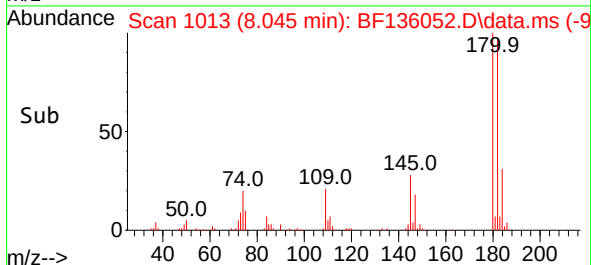
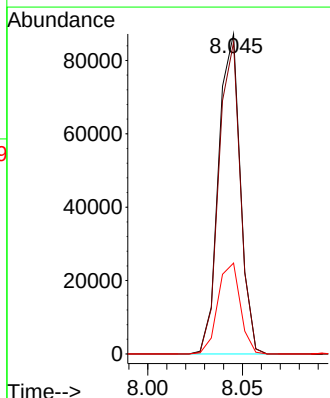
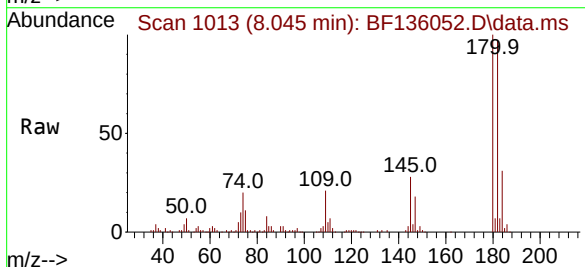
Tgt Ion:180 Resp: 69705

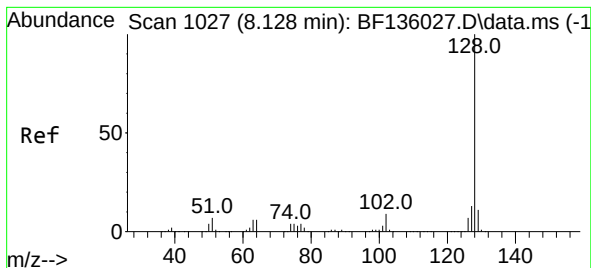
Ion Ratio Lower Upper

180 100

182 97.4 76.9 115.3

145 28.4 24.7 37.1





#31

Naphthalene

Concen: 20.437 ng

RT: 8.122 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136052.D

Acq: 31 Oct 2023 15:32

Instrument :

BNA_F

ClientSampleId :

B-1(0-5)MS

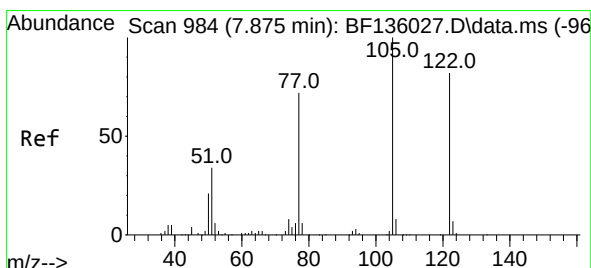
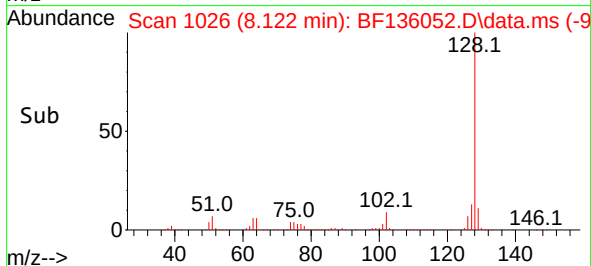
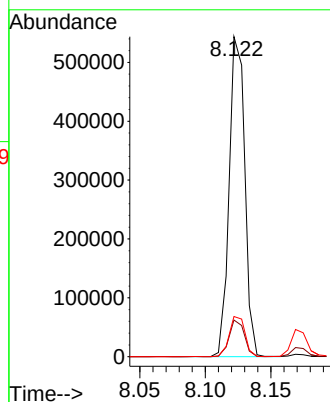
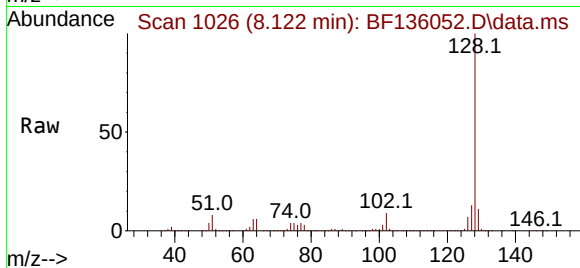
Tgt Ion:128 Resp: 450163

Ion Ratio Lower Upper

128 100

129 11.4 8.9 13.3

127 12.6 10.5 15.7



#32

Benzoic acid

Concen: 10.135 ng

RT: 7.810 min Scan# 973

Delta R.T. -0.065 min

Lab File: BF136052.D

Acq: 31 Oct 2023 15:32

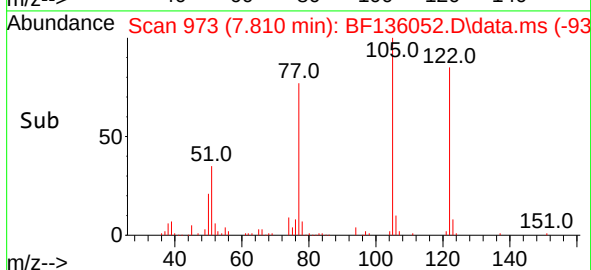
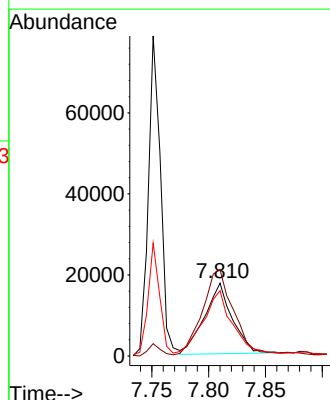
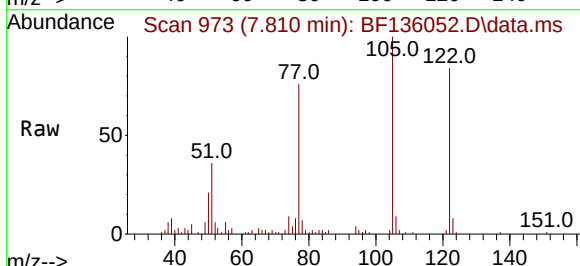
Tgt Ion:122 Resp: 29749

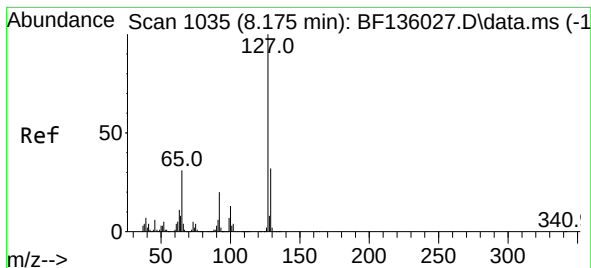
Ion Ratio Lower Upper

122 100

105 118.8 99.5 139.5

77 89.7 66.8 106.8





#33

4-Chloroaniline

Concen: 4.366 ng

RT: 8.169 min Scan# 1035

Delta R.T. -0.006 min

Lab File: BF136052.D

Acq: 31 Oct 2023 15:32

Instrument :

BNA_F

ClientSampleId :

B-1(0-5)MS

Tgt Ion:127 Resp: 42113

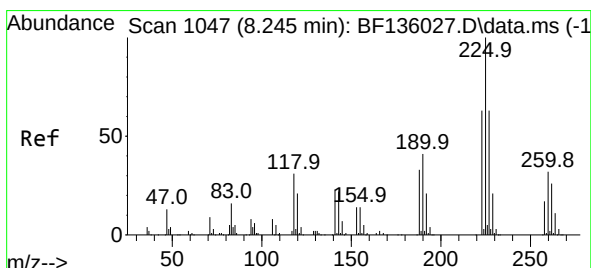
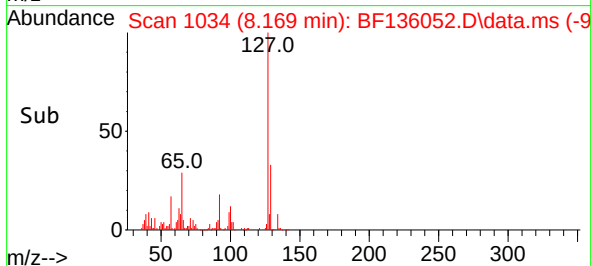
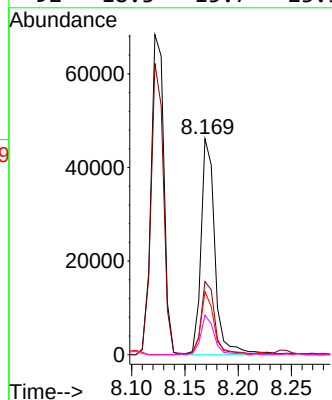
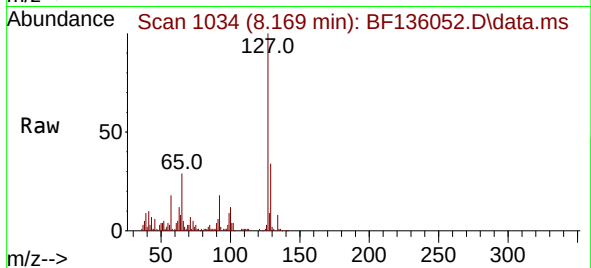
Ion Ratio Lower Upper

127 100

129 33.9 25.9 38.9

65 29.3 24.6 37.0

92 18.3 15.7 23.5



#34

Hexachlorobutadiene

Concen: 10.741 ng

RT: 8.245 min Scan# 1047

Delta R.T. 0.000 min

Lab File: BF136052.D

Acq: 31 Oct 2023 15:32

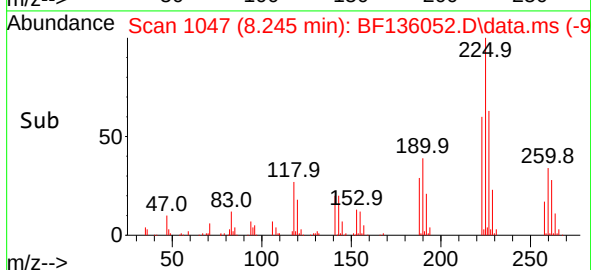
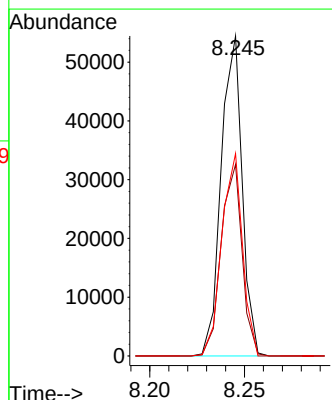
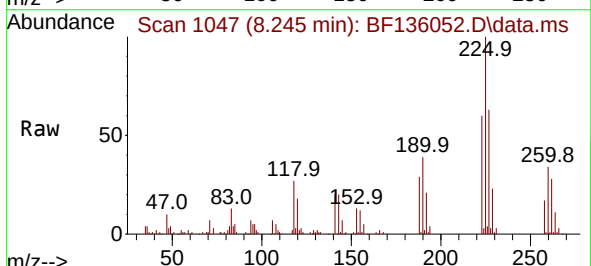
Tgt Ion:225 Resp: 41860

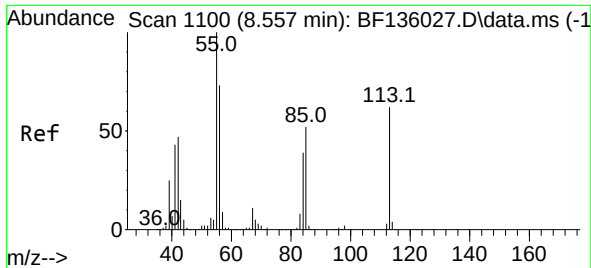
Ion Ratio Lower Upper

225 100

223 59.9 50.3 75.5

227 63.3 50.6 75.8





#35

Caprolactam

Concen: 8.354 ng

RT: 8.504 min Scan# 1100

Delta R.T. -0.053 min

Lab File: BF136052.D

Acq: 31 Oct 2023 15:32

Instrument :

BNA_F

ClientSampleId :

B-1(0-5)MS

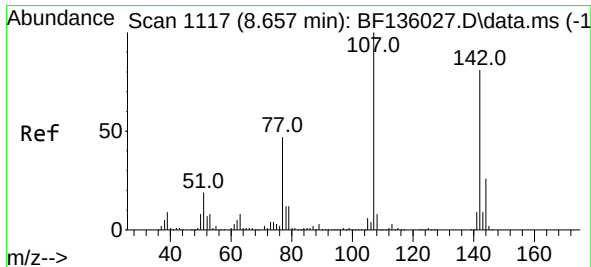
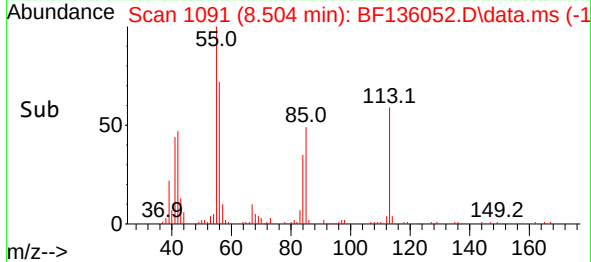
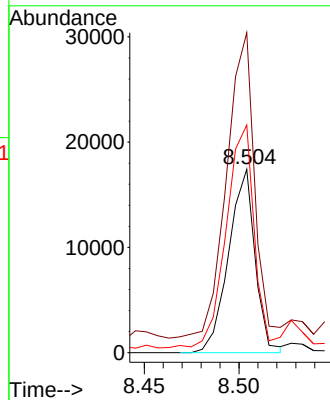
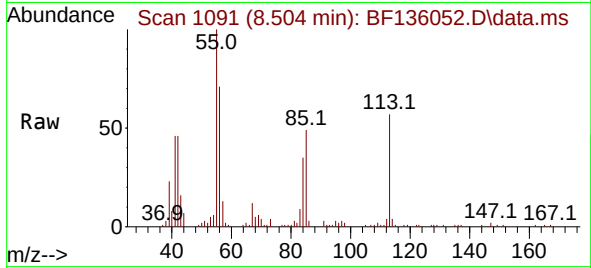
Tgt Ion:113 Resp: 16921

Ion Ratio Lower Upper

113 100

55 174.5 142.2 182.2

56 124.2 97.7 137.7



#36

4-Chloro-3-methylphenol

Concen: 8.534 ng

RT: 8.645 min Scan# 1115

Delta R.T. -0.012 min

Lab File: BF136052.D

Acq: 31 Oct 2023 15:32

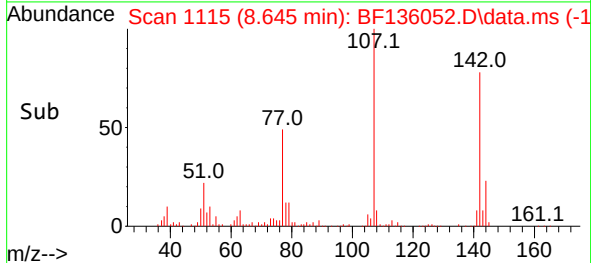
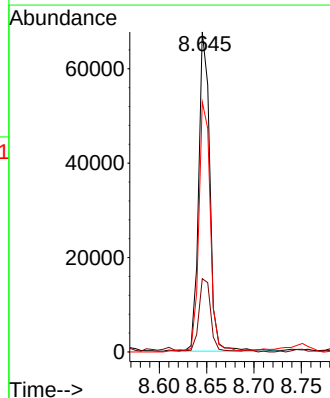
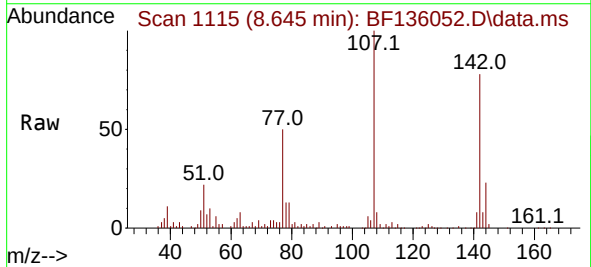
Tgt Ion:107 Resp: 55811

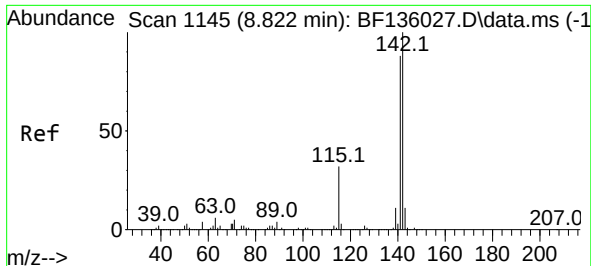
Ion Ratio Lower Upper

107 100

144 22.9 20.6 31.0

142 78.1 64.6 97.0





#37

2-Methylnaphthalene

Concen: 15.205 ng

RT: 8.816 min Scan# 1144

Delta R.T. -0.006 min

Lab File: BF136052.D

Acq: 31 Oct 2023 15:32

Instrument :

BNA_F

ClientSampleId :

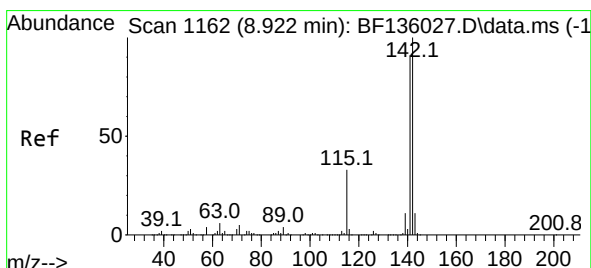
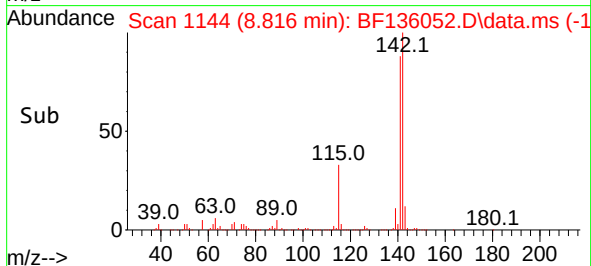
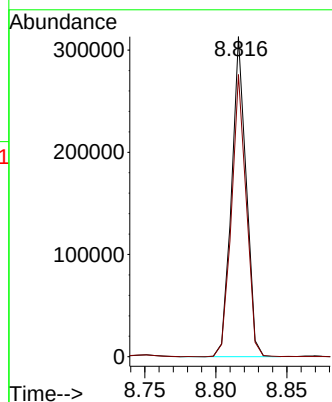
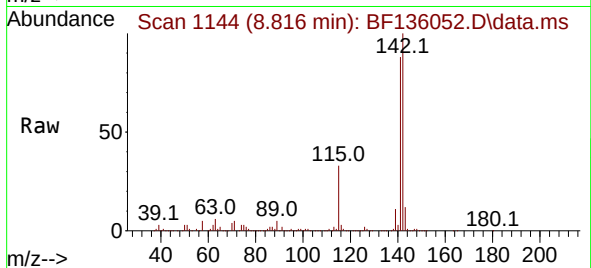
B-1(0-5)MS

Tgt Ion:142 Resp: 224557

Ion Ratio Lower Upper

142 100

141 88.1 70.4 105.6



#38

1-Methylnaphthalene

Concen: 14.378 ng

RT: 8.916 min Scan# 1161

Delta R.T. -0.006 min

Lab File: BF136052.D

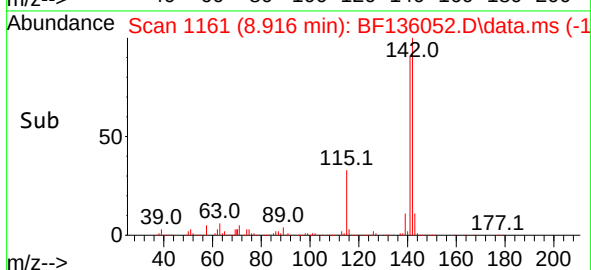
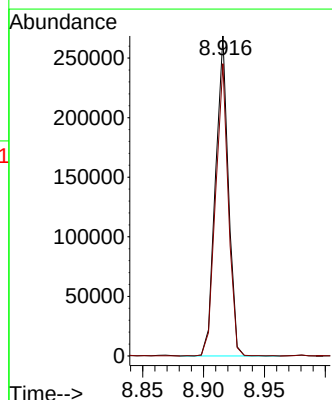
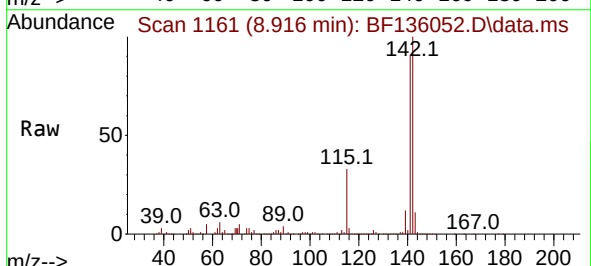
Acq: 31 Oct 2023 15:32

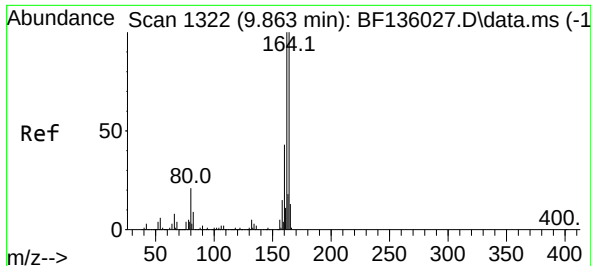
Tgt Ion:142 Resp: 197614

Ion Ratio Lower Upper

142 100

141 91.3 72.6 109.0

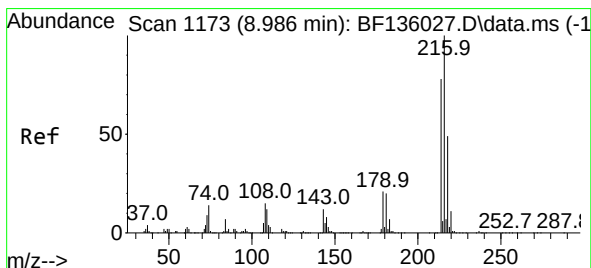
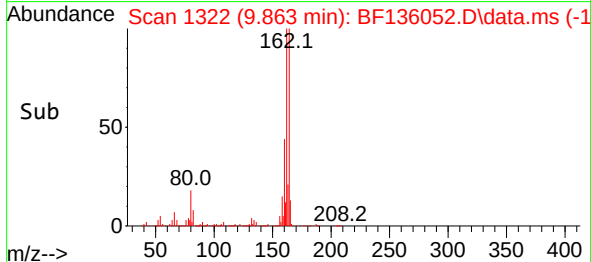
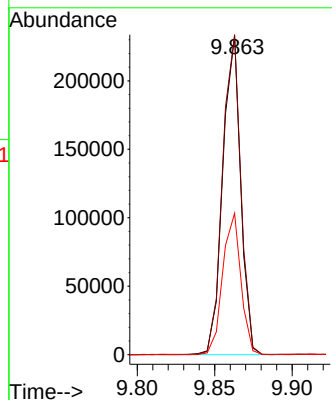
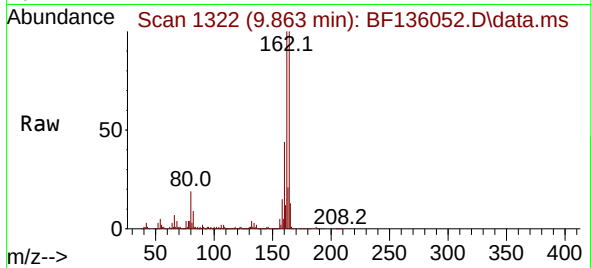




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF136052.D
Acq: 31 Oct 2023 15:32

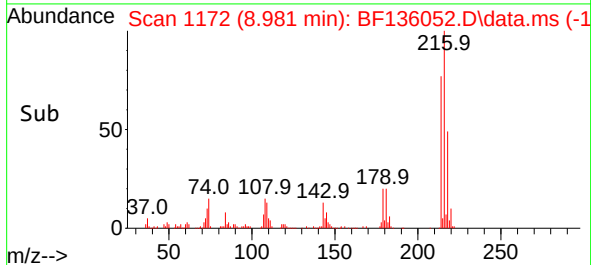
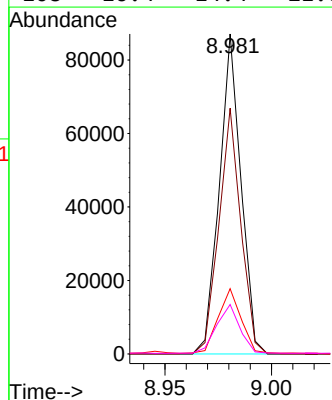
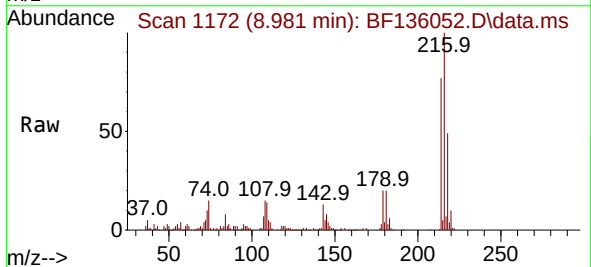
Instrument :
BNA_F
ClientSampleId :
B-1(0-5)MS

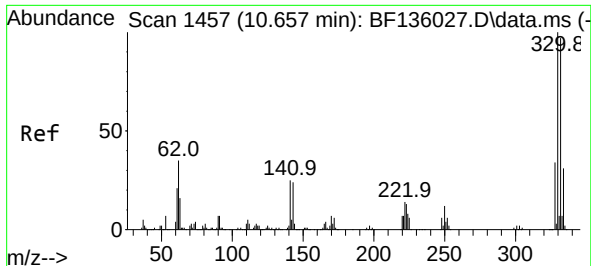
Tgt Ion:164 Resp: 186990
Ion Ratio Lower Upper
164 100
162 100.3 80.1 120.1
160 44.3 34.8 52.2



#40
1,2,4,5-Tetrachlorobenzene
Concen: 11.520 ng
RT: 8.981 min Scan# 1172
Delta R.T. -0.006 min
Lab File: BF136052.D
Acq: 31 Oct 2023 15:32

Tgt Ion:216 Resp: 61436
Ion Ratio Lower Upper
216 100
214 77.4 63.8 95.6
179 22.5 17.5 26.3
108 16.4 14.4 21.6





#42

2,4,6-Tribromophenol

Concen: 16.187 ng

RT: 10.651 min Scan# 1456

Delta R.T. -0.006 min

Lab File: BF136052.D

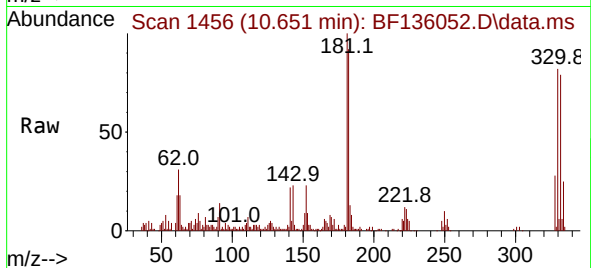
Acq: 31 Oct 2023 15:32

Instrument :

BNA_F

ClientSampleId :

B-1(0-5)MS



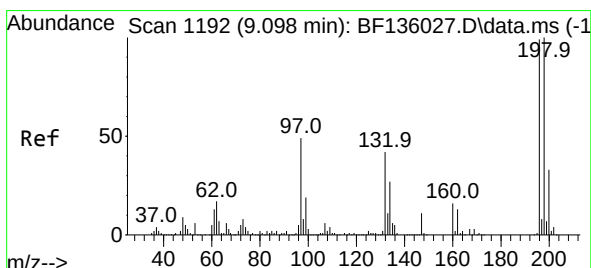
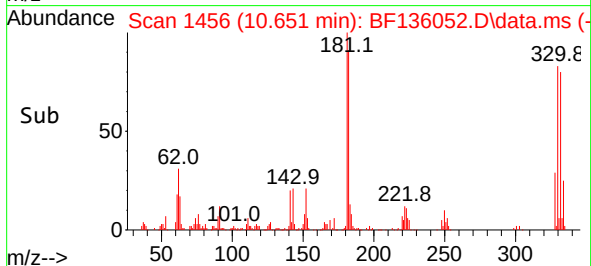
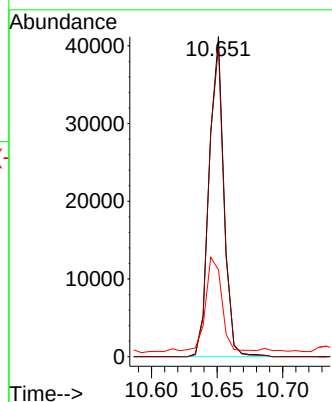
Tgt Ion:330 Resp: 32308

Ion Ratio Lower Upper

330 100

332 97.7 76.9 115.3

141 32.7 23.2 34.8



#43

2,4,6-Trichlorophenol

Concen: 10.361 ng

RT: 9.092 min Scan# 1191

Delta R.T. -0.006 min

Lab File: BF136052.D

Acq: 31 Oct 2023 15:32

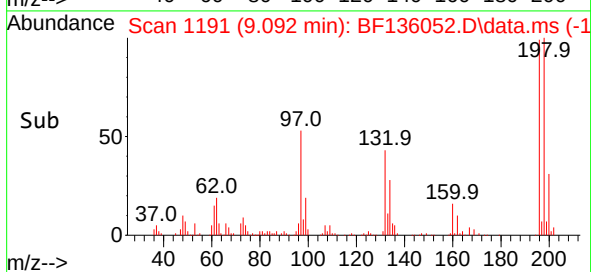
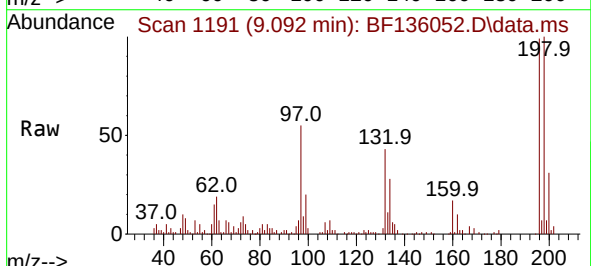
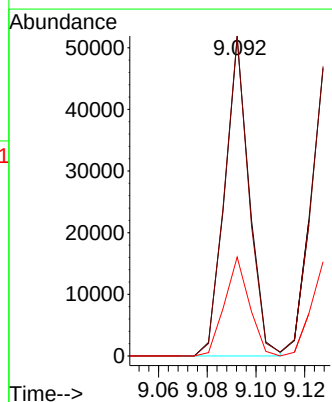
Tgt Ion:196 Resp: 36025

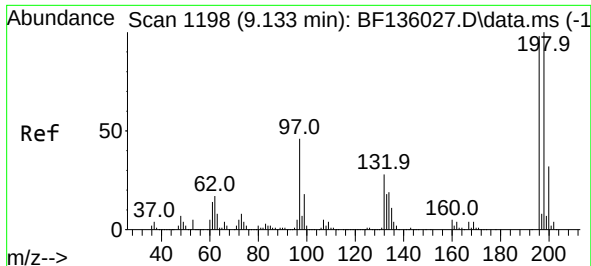
Ion Ratio Lower Upper

196 100

198 100.5 80.7 121.1

200 31.1 26.8 40.2

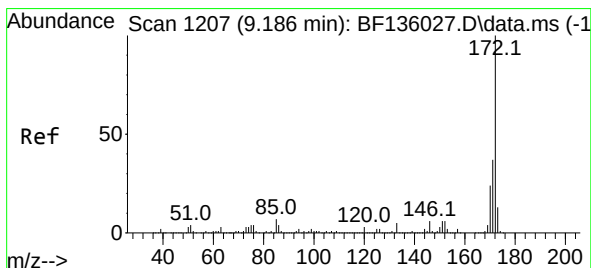
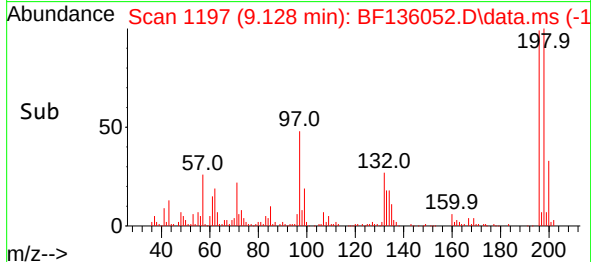
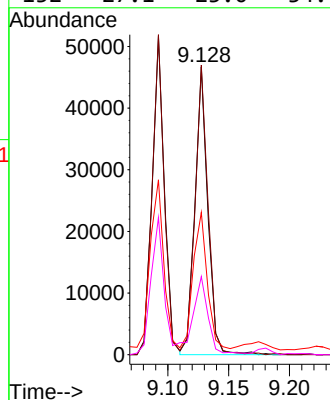
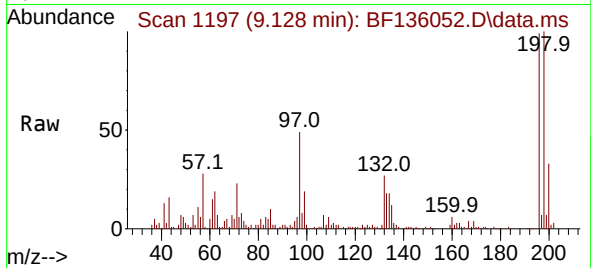




#44
 2,4,5-Trichlorophenol
 Concen: 8.590 ng
 RT: 9.128 min Scan# 1198
 Delta R.T. -0.006 min
 Lab File: BF136052.D
 Acq: 31 Oct 2023 15:32

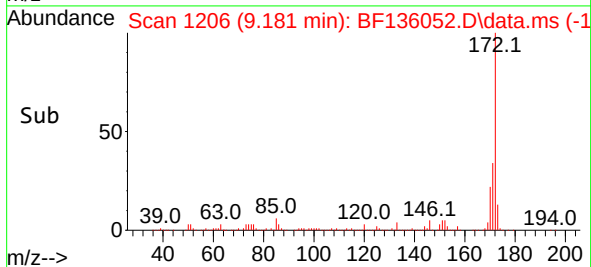
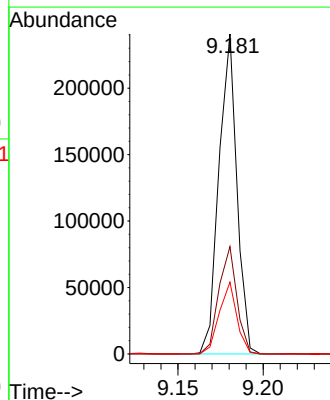
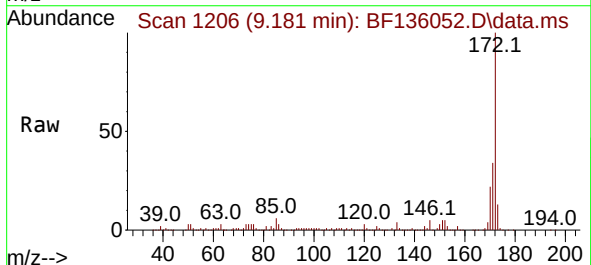
Instrument :
 BNA_F
 ClientSampleId :
 B-1(0-5)MS

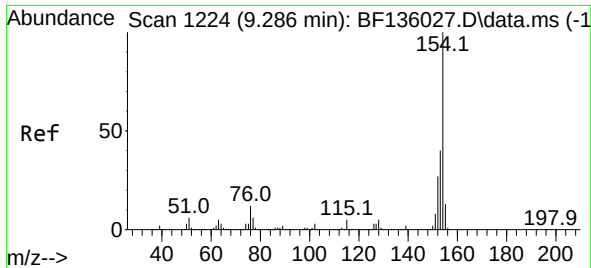
Tgt Ion:196	Resp:	34598
Ion Ratio	Lower	Upper
196	100	
198	100.6	81.6 122.4
97	49.5	38.2 57.2
132	27.1	23.0 34.4



#45
 2-Fluorobiphenyl
 Concen: 15.072 ng
 RT: 9.181 min Scan# 1206
 Delta R.T. -0.006 min
 Lab File: BF136052.D
 Acq: 31 Oct 2023 15:32

Tgt Ion:172	Resp:	176801
Ion Ratio	Lower	Upper
172	100	
171	33.6	29.4 44.0
170	22.5	19.3 28.9

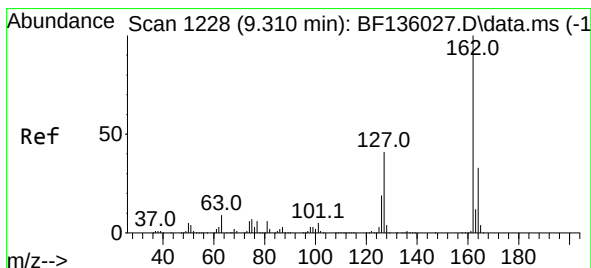
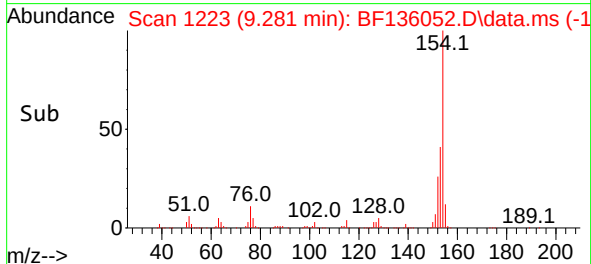
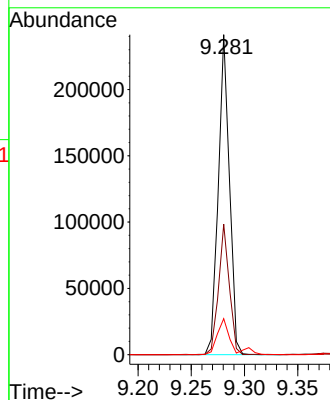
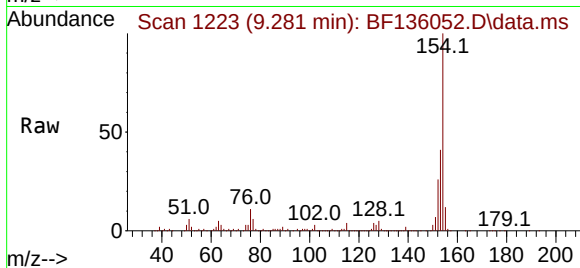




#46
1,1'-Biphenyl
Concen: 12.212 ng
RT: 9.281 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136052.D
Acq: 31 Oct 2023 15:32

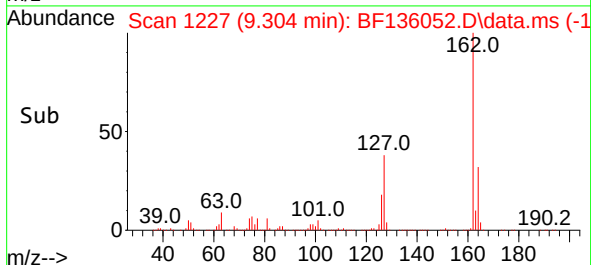
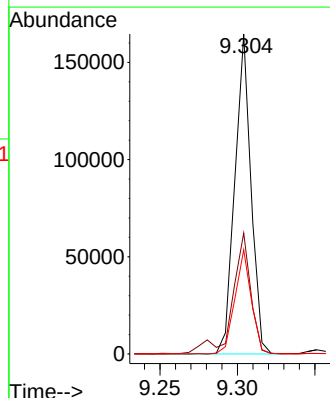
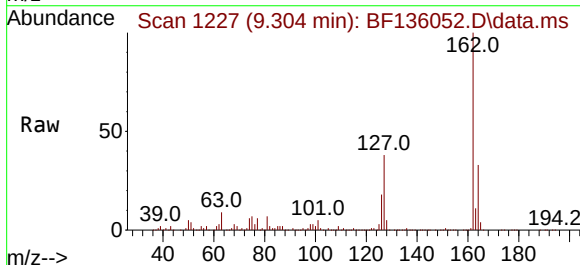
Instrument :
BNA_F
ClientSampleId :
B-1(0-5)MS

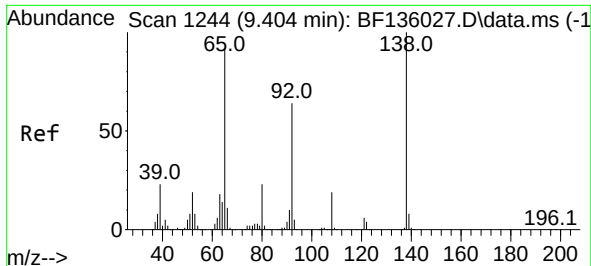
Tgt Ion:154 Resp: 174079
Ion Ratio Lower Upper
154 100
153 40.8 20.1 60.1
76 11.2 0.0 32.5



#47
2-Chloronaphthalene
Concen: 11.329 ng
RT: 9.304 min Scan# 1227
Delta R.T. -0.006 min
Lab File: BF136052.D
Acq: 31 Oct 2023 15:32

Tgt Ion:162 Resp: 119045
Ion Ratio Lower Upper
162 100
127 37.8 32.4 48.6
164 32.5 26.7 40.1

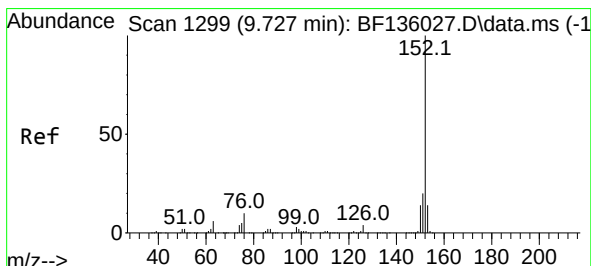
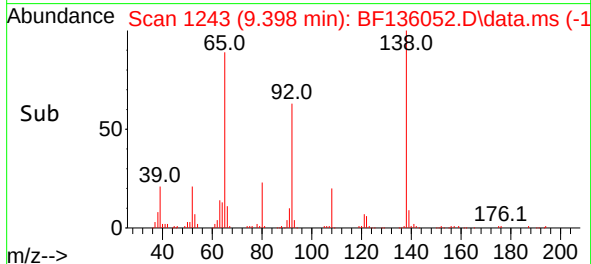
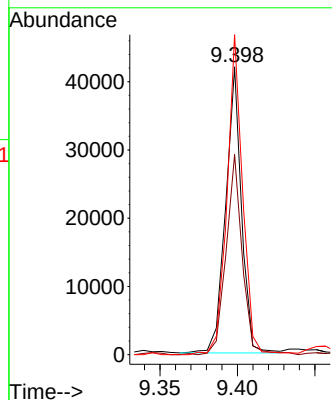
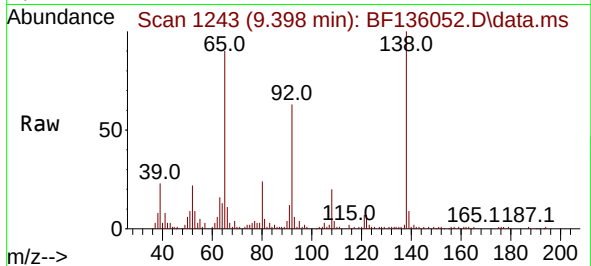




#48
2-Nitroaniline
Concen: 9.533 ng
RT: 9.398 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136052.D
Acq: 31 Oct 2023 15:32

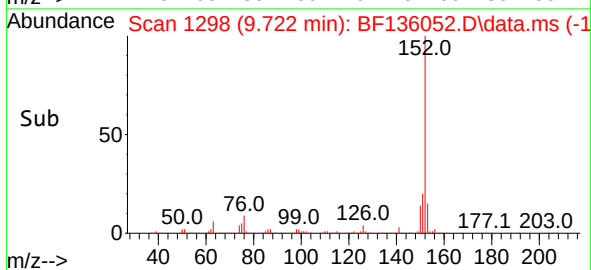
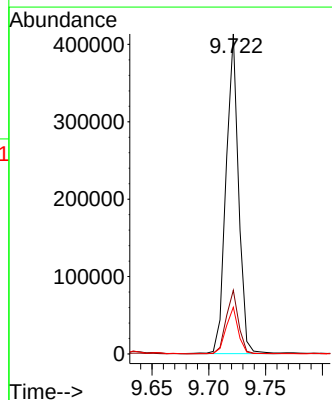
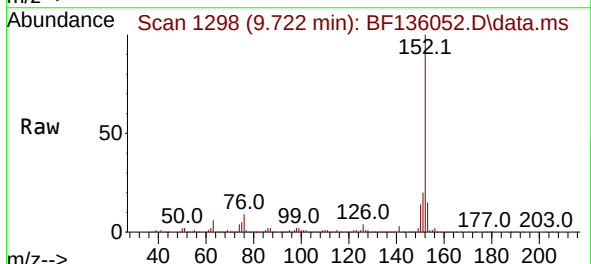
Instrument :
BNA_F
ClientSampleId :
B-1(0-5)MS

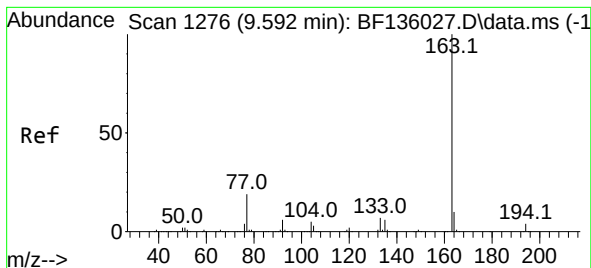
Tgt Ion: 65 Resp: 29646
Ion Ratio Lower Upper
65 100
92 69.6 55.7 83.5
138 111.2 86.8 130.2



#49
Acenaphthylene
Concen: 19.384 ng
RT: 9.722 min Scan# 1298
Delta R.T. -0.006 min
Lab File: BF136052.D
Acq: 31 Oct 2023 15:32

Tgt Ion: 152 Resp: 317768
Ion Ratio Lower Upper
152 100
151 19.9 16.1 24.1
153 14.6 11.4 17.2





#50

Dimethylphthalate

Concen: 10.728 ng

RT: 9.581 min Scan# 1274

Delta R.T. -0.011 min

Lab File: BF136052.D

Acq: 31 Oct 2023 15:32

Instrument :

BNA_F

ClientSampleId :

B-1(0-5)MS

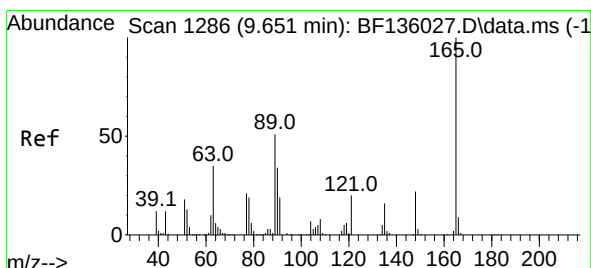
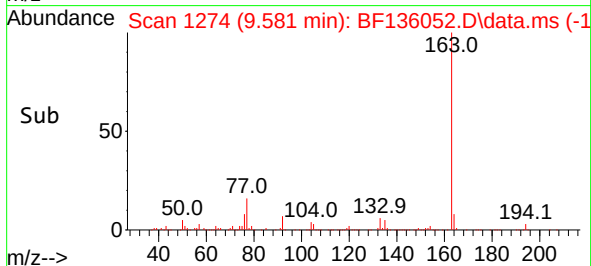
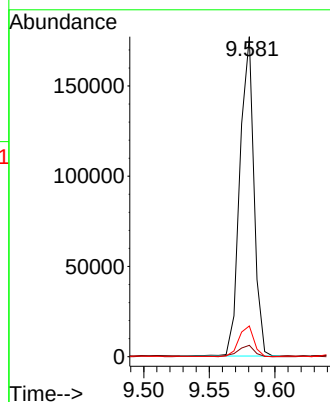
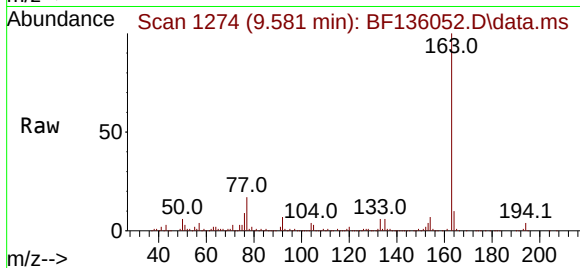
Tgt Ion:163 Resp: 132322

Ion Ratio Lower Upper

163 100

194 3.6 3.2 4.8

164 9.6 8.1 12.1



#51

2,6-Dinitrotoluene

Concen: 9.436 ng

RT: 9.639 min Scan# 1284

Delta R.T. -0.012 min

Lab File: BF136052.D

Acq: 31 Oct 2023 15:32

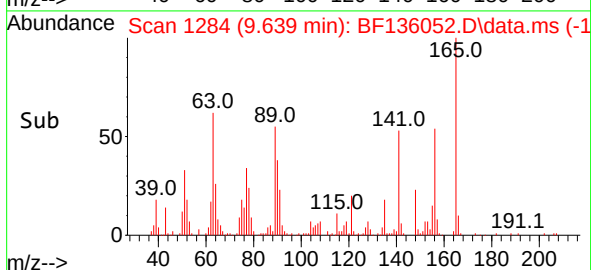
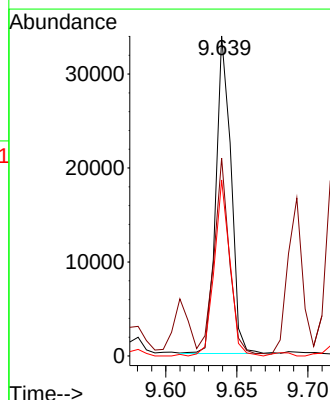
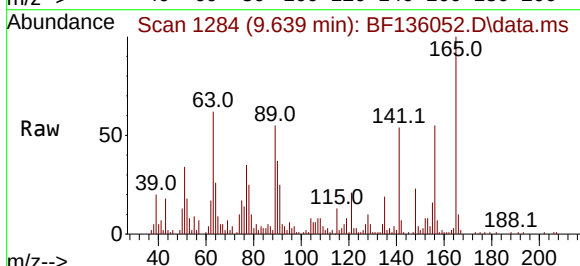
Tgt Ion:165 Resp: 24891

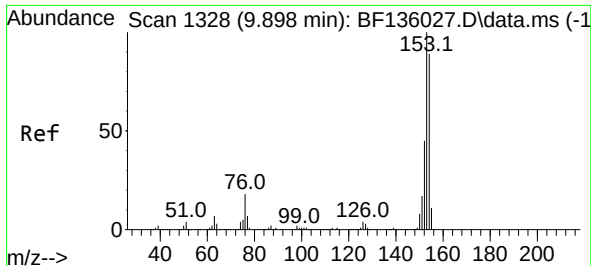
Ion Ratio Lower Upper

165 100

63 61.9 40.8 61.2#

89 55.0 41.1 61.7

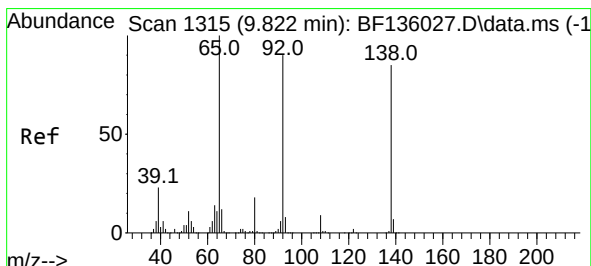
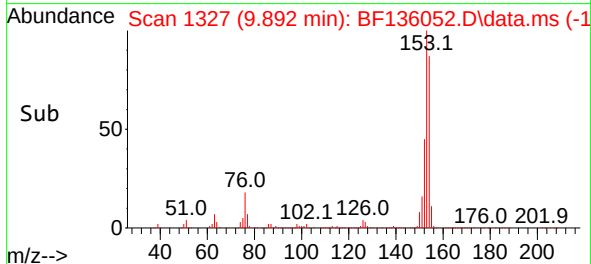
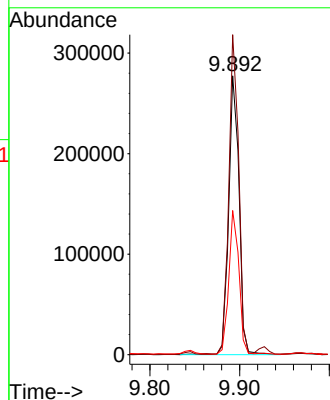
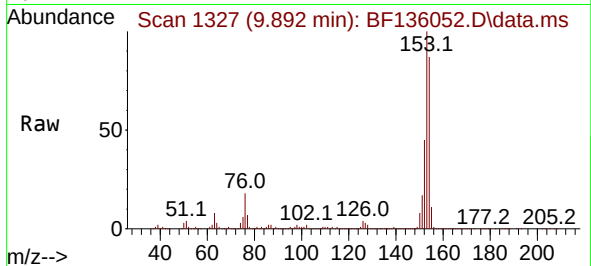




#52
Acenaphthene
Concen: 21.319 ng
RT: 9.892 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BF136052.D
Acq: 31 Oct 2023 15:32

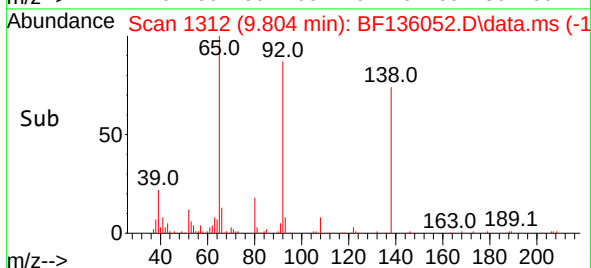
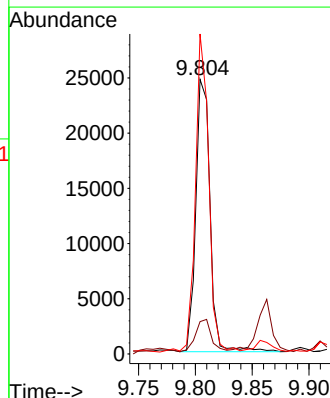
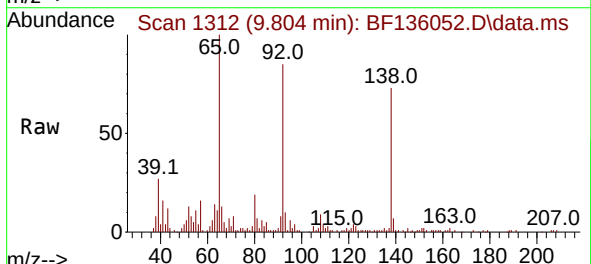
Instrument :
BNA_F
ClientSampleId :
B-1(0-5)MS

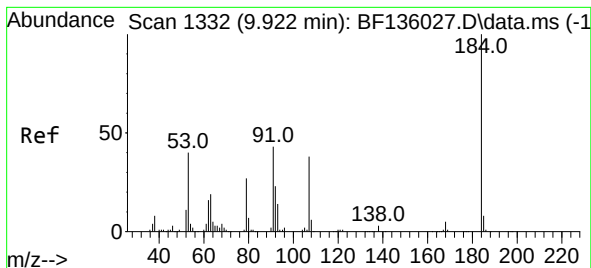
Tgt Ion:154 Resp: 222179
Ion Ratio Lower Upper
154 100
153 114.7 89.9 134.9
152 51.7 40.2 60.2



#53
3-Nitroaniline
Concen: 7.010 ng
RT: 9.804 min Scan# 1312
Delta R.T. -0.018 min
Lab File: BF136052.D
Acq: 31 Oct 2023 15:32

Tgt Ion:138 Resp: 21577
Ion Ratio Lower Upper
138 100
108 11.8 8.8 13.2
92 116.6 84.6 126.8





#54

2,4-Dinitrophenol

Concen: 9.459 ng

RT: 9.916 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136052.D

Acq: 31 Oct 2023 15:32

Instrument :

BNA_F

ClientSampleId :

B-1(0-5)MS

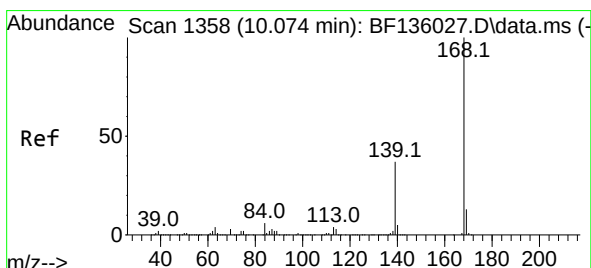
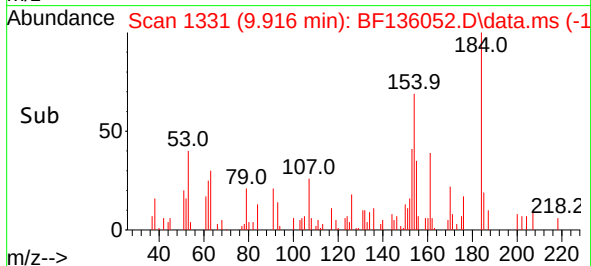
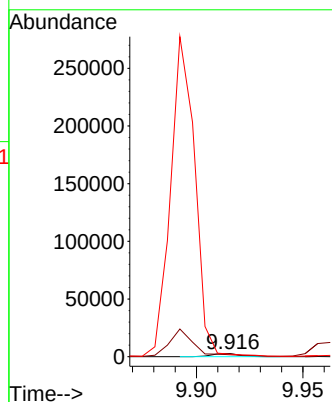
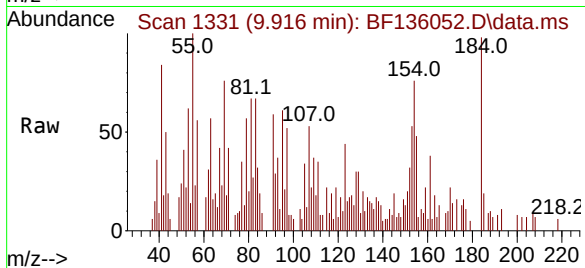
Tgt Ion:184 Resp: 2353

Ion Ratio Lower Upper

184 100

63 58.1 43.7 65.5

154 77.8 51.2 76.8#



#55

Dibenzofuran

Concen: 18.236 ng

RT: 10.069 min Scan# 1357

Delta R.T. -0.006 min

Lab File: BF136052.D

Acq: 31 Oct 2023 15:32

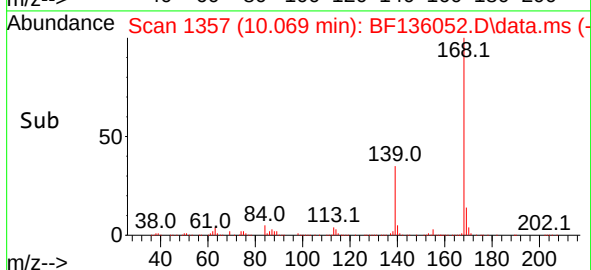
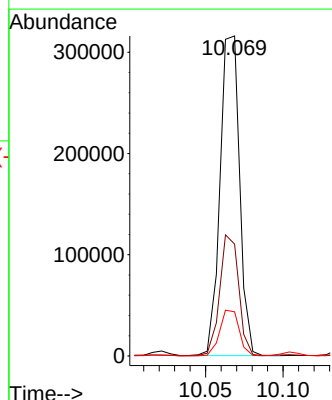
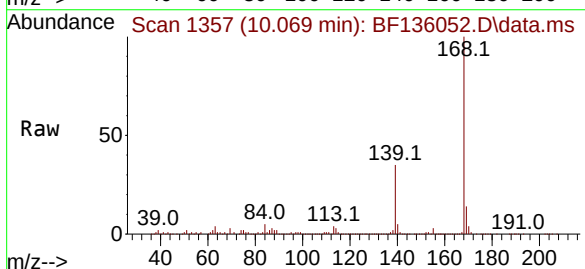
Tgt Ion:168 Resp: 277115

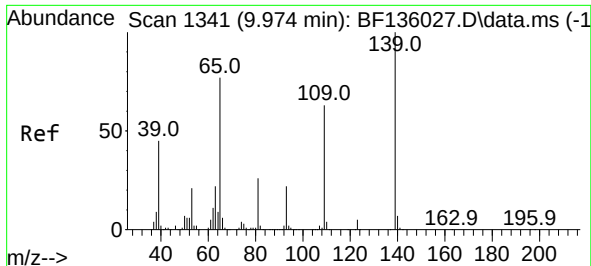
Ion Ratio Lower Upper

168 100

139 35.0 29.4 44.0

169 13.8 10.5 15.7

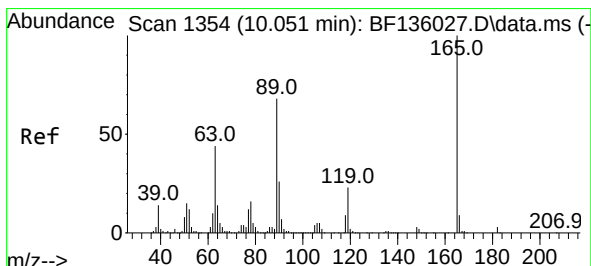
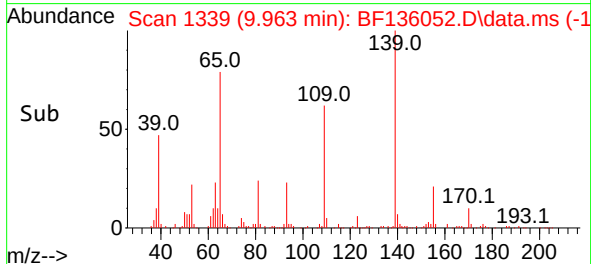
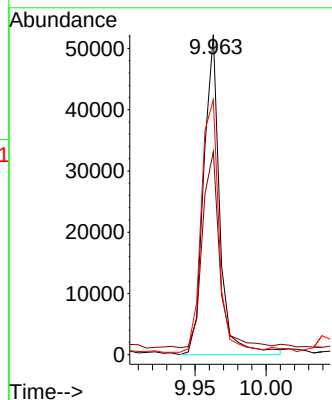
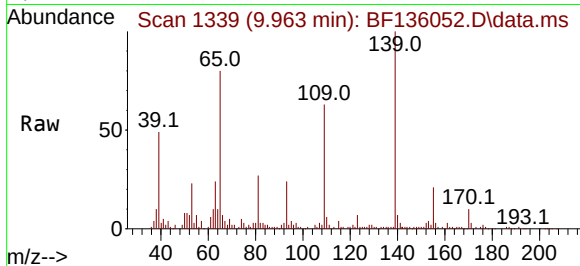




#56
4-Nitrophenol
Concen: 17.984 ng
RT: 9.963 min Scan# 1339
Delta R.T. -0.012 min
Lab File: BF136052.D
Acq: 31 Oct 2023 15:32

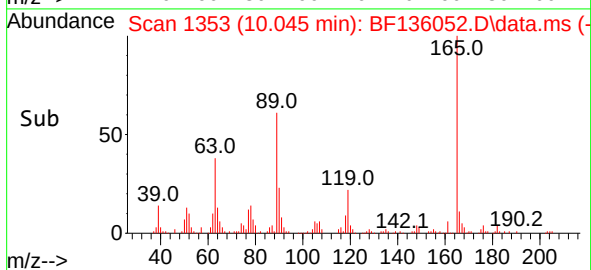
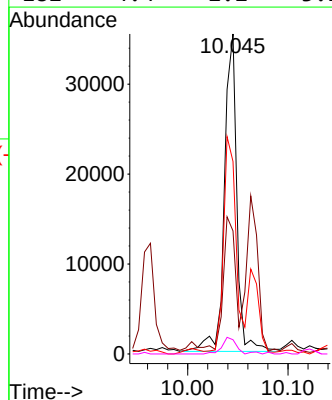
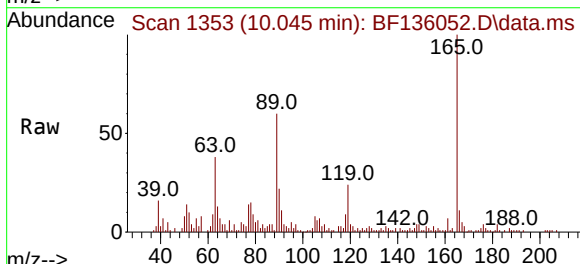
Instrument :
BNA_F
ClientSampleId :
B-1(0-5)MS

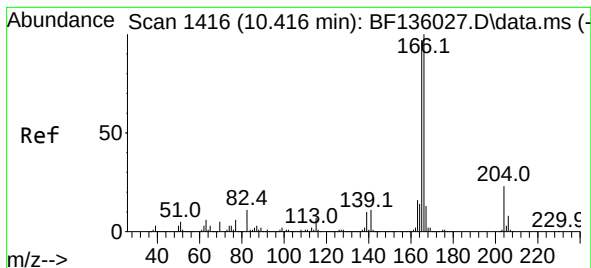
Tgt Ion:139 Resp: 41407
Ion Ratio Lower Upper
139 100
109 63.5 43.2 83.2
65 79.7 57.6 97.6



#57
2,4-Dinitrotoluene
Concen: 9.135 ng
RT: 10.045 min Scan# 1353
Delta R.T. -0.006 min
Lab File: BF136052.D
Acq: 31 Oct 2023 15:32

Tgt Ion:165 Resp: 30491
Ion Ratio Lower Upper
165 100
63 38.5 35.2 52.8
89 60.2 54.8 82.2
182 4.4 2.2 3.2#





#58

Fluorene

Concen: 29.094 ng

RT: 10.410 min Scan# 1416

Delta R.T. -0.006 min

Lab File: BF136052.D

Acq: 31 Oct 2023 15:32

Instrument :

BNA_F

ClientSampleId :

B-1(0-5)MS

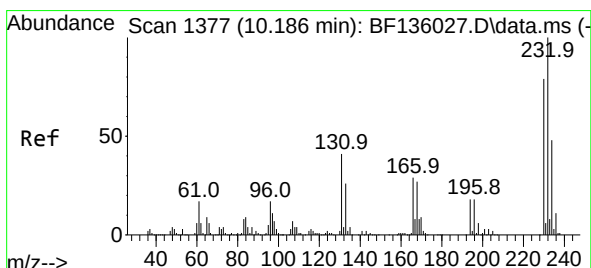
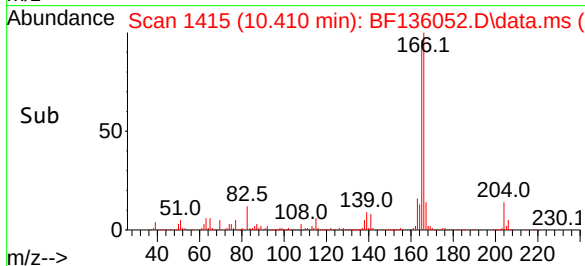
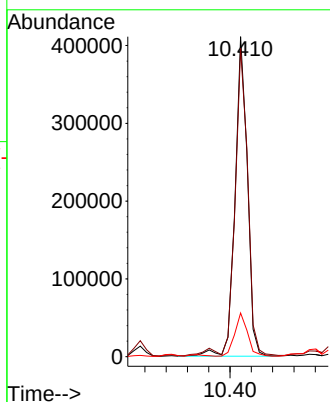
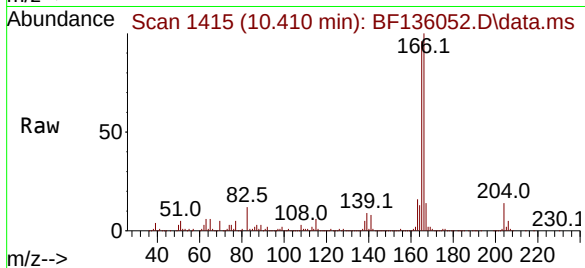
Tgt Ion:166 Resp: 331021

Ion Ratio Lower Upper

166 100

165 96.3 77.7 116.5

167 13.6 10.6 16.0



#59

2,3,4,6-Tetrachlorophenol

Concen: 8.422 ng

RT: 10.180 min Scan# 1376

Delta R.T. -0.006 min

Lab File: BF136052.D

Acq: 31 Oct 2023 15:32

Tgt Ion:232 Resp: 26970

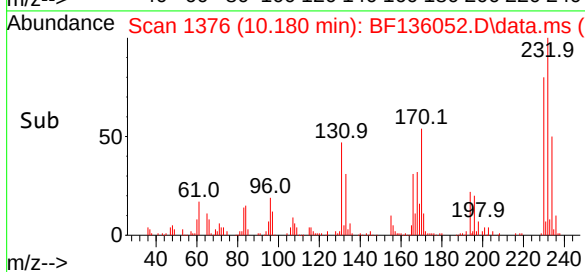
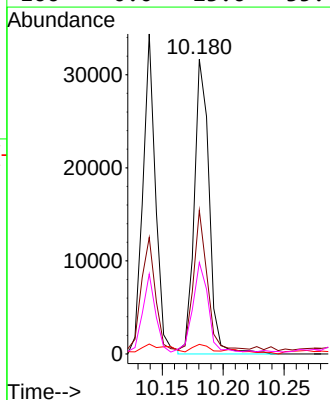
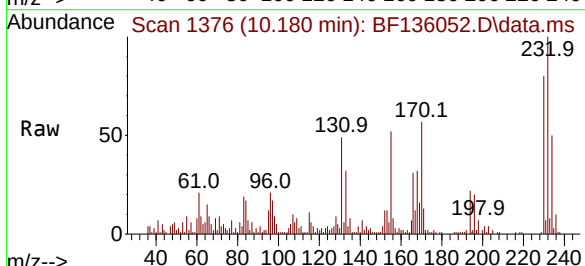
Ion Ratio Lower Upper

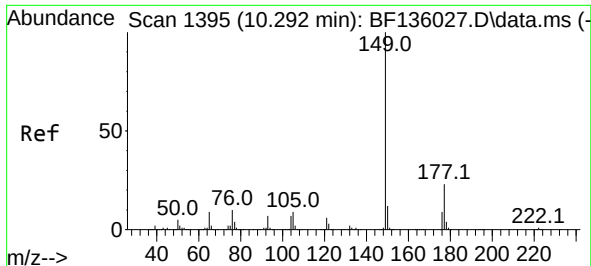
232 100

131 42.6 34.6 52.0

130 2.8 1.6 2.4#

166 0.0 23.6 35.4#

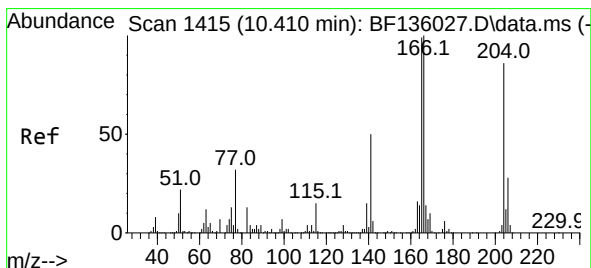
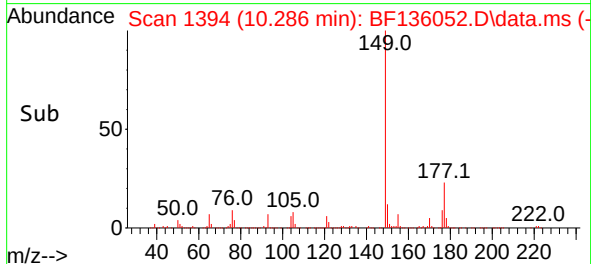
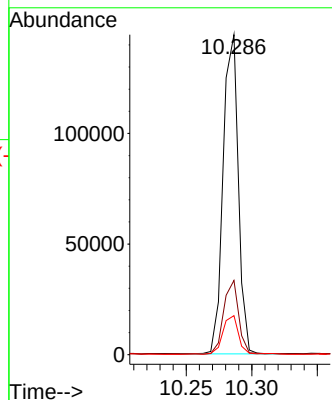
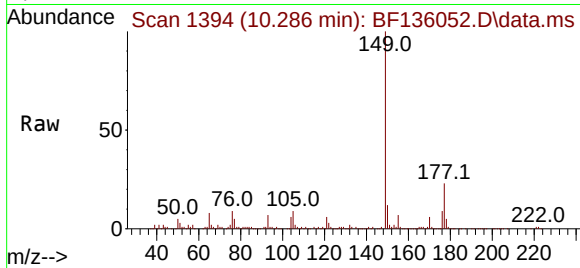




#60
Diethylphthalate
Concen: 9.845 ng
RT: 10.286 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136052.D
Acq: 31 Oct 2023 15:32

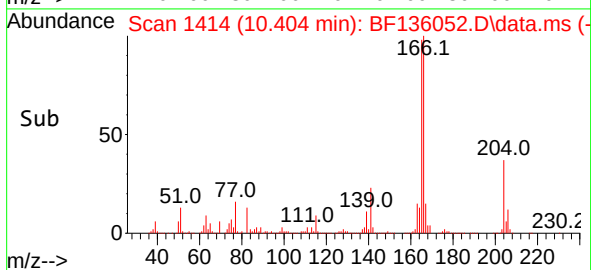
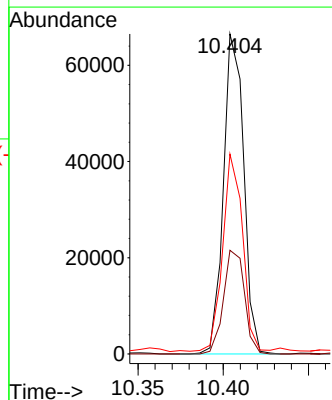
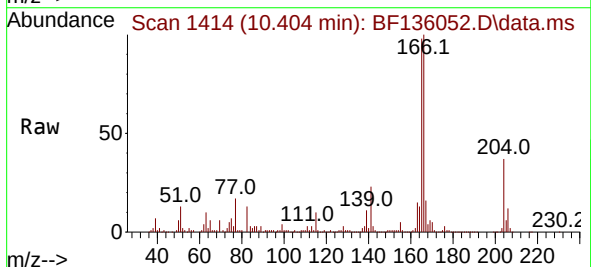
Instrument :
BNA_F
ClientSampleId :
B-1(0-5)MS

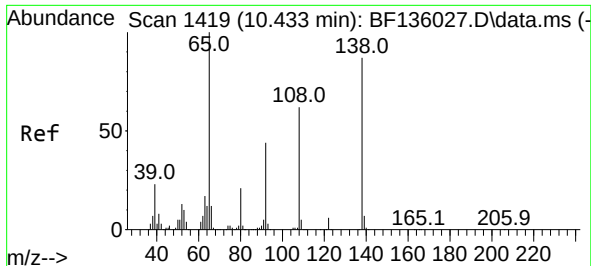
Tgt Ion:149 Resp: 116025
Ion Ratio Lower Upper
149 100
177 23.2 18.2 27.4
150 12.2 9.9 14.9



#61
4-Chlorophenyl-phenylether
Concen: 9.672 ng
RT: 10.404 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF136052.D
Acq: 31 Oct 2023 15:32

Tgt Ion:204 Resp: 54934
Ion Ratio Lower Upper
204 100
206 32.4 26.6 39.8
141 62.5 46.8 70.2

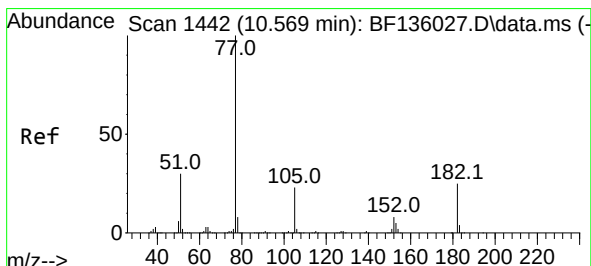
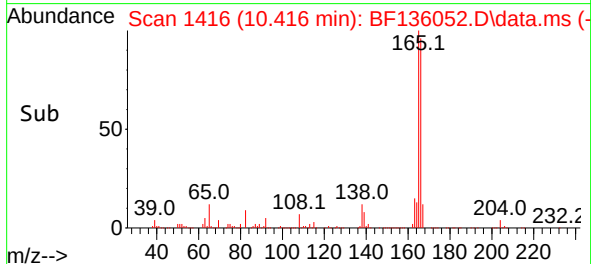
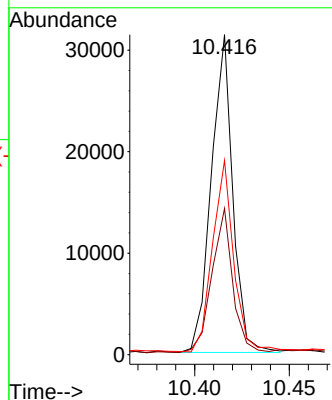
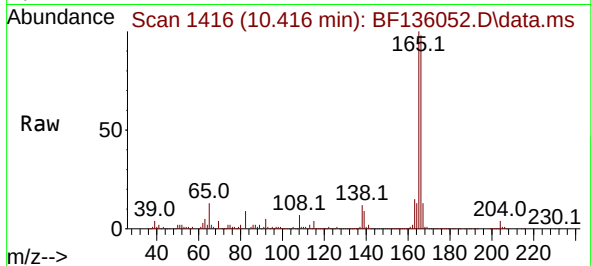




#62
4-Nitroaniline
Concen: 8.308 ng
RT: 10.416 min Scan# 1416
Delta R.T. -0.018 min
Lab File: BF136052.D
Acq: 31 Oct 2023 15:32

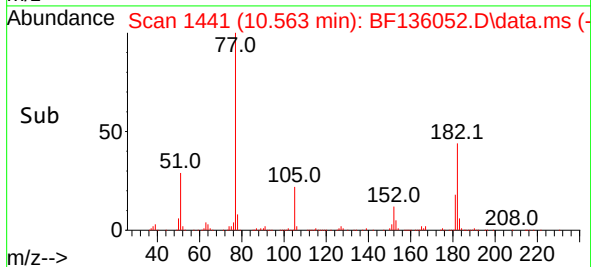
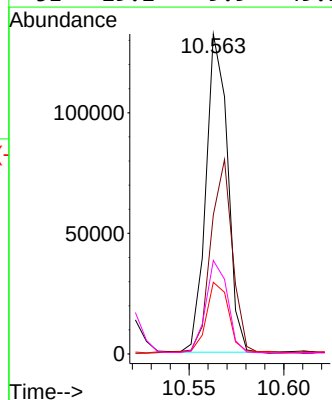
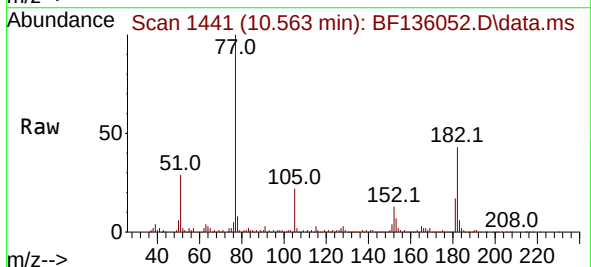
Instrument :
BNA_F
ClientSampleId :
B-1(0-5)MS

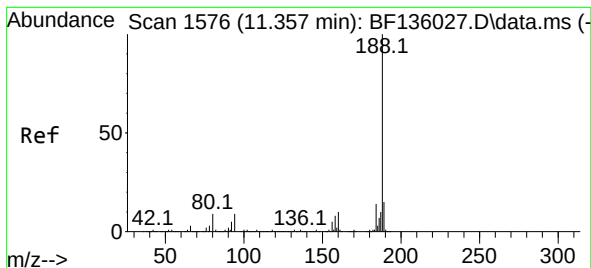
Tgt Ion:138 Resp: 24626
Ion Ratio Lower Upper
138 100
92 45.7 30.6 70.6
108 60.7 51.5 91.5



#63
Azobenzene
Concen: 9.291 ng
RT: 10.563 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF136052.D
Acq: 31 Oct 2023 15:32

Tgt Ion: 77 Resp: 105444
Ion Ratio Lower Upper
77 100
182 43.4 5.0 45.0
105 22.4 2.6 42.6
51 29.2 9.9 49.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF136052.D

Acq: 31 Oct 2023 15:32

Instrument :

BNA_F

ClientSampleId :

B-1(0-5)MS

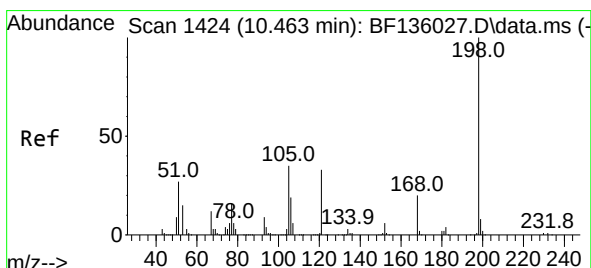
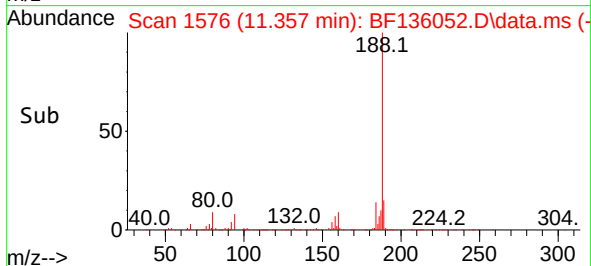
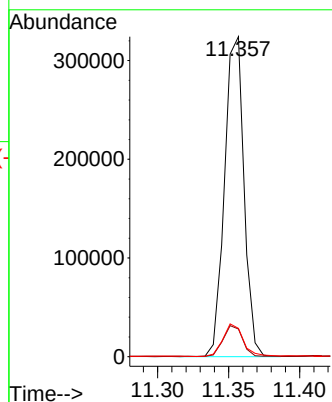
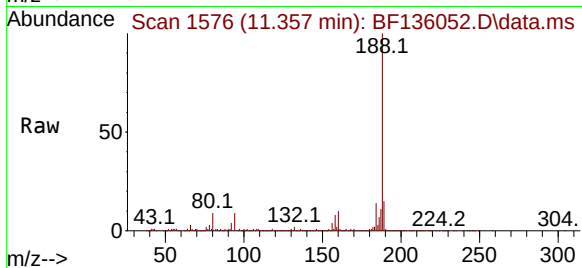
Tgt Ion:188 Resp: 309314

Ion Ratio Lower Upper

188 100

94 8.7 7.2 10.8

80 8.9 7.4 11.0



#65

4,6-Dinitro-2-methylphenol

Concen: 6.528 ng

RT: 10.180 min Scan# 1376

Delta R.T. -0.283 min

Lab File: BF136052.D

Acq: 31 Oct 2023 15:32

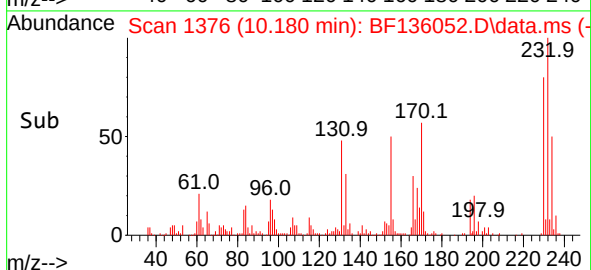
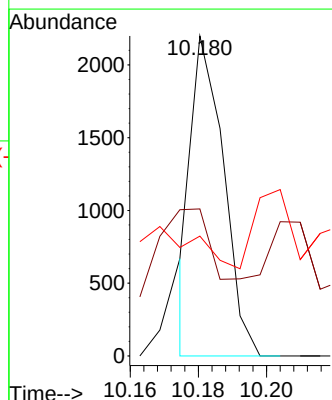
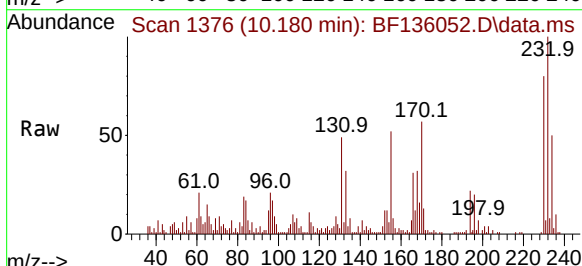
Tgt Ion:198 Resp: 1425

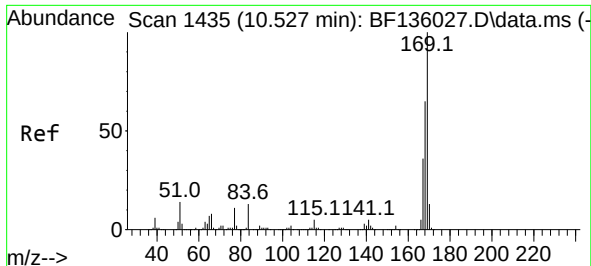
Ion Ratio Lower Upper

198 100

51 46.0 12.9 52.9

105 37.5 16.0 56.0

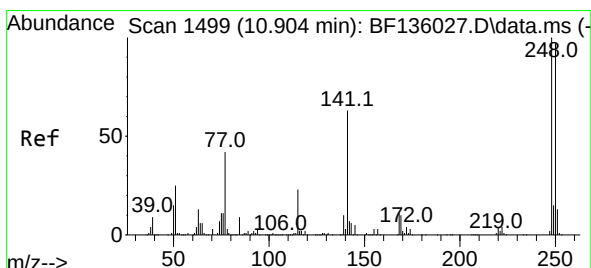
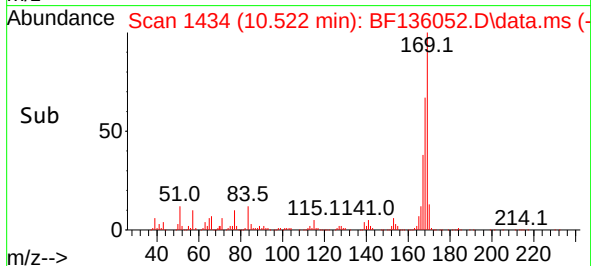
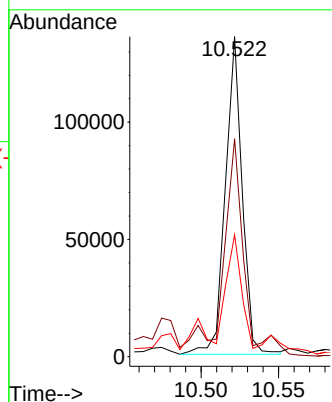
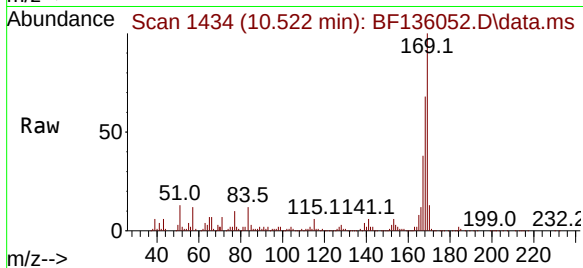




#66
 n-Nitrosodiphenylamine
 Concen: 11.027 ng
 RT: 10.522 min Scan# 1435
 Delta R.T. -0.006 min
 Lab File: BF136052.D
 Acq: 31 Oct 2023 15:32

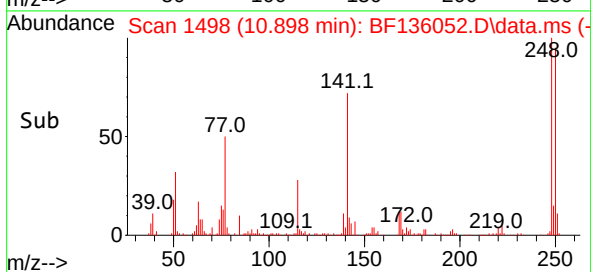
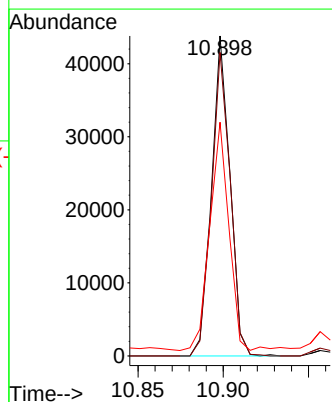
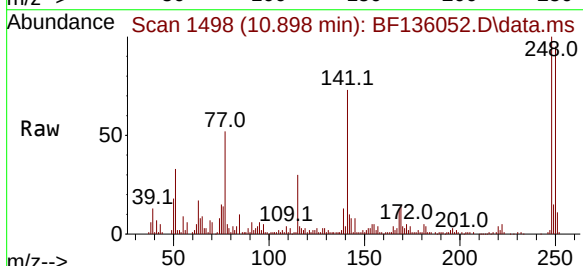
Instrument :
 BNA_F
 ClientSampleId :
 B-1(0-5)MS

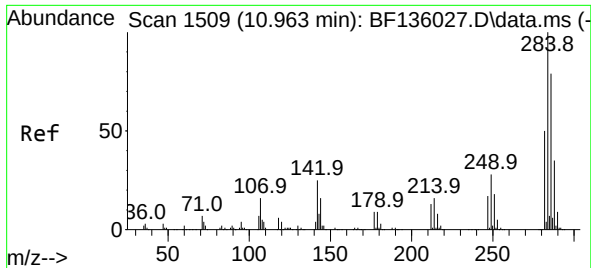
Tgt Ion:169 Resp: 102888
 Ion Ratio Lower Upper
 169 100
 168 68.1 52.2 78.2
 167 38.1 28.7 43.1



#67
 4-Bromophenyl-phenylether
 Concen: 10.185 ng
 RT: 10.898 min Scan# 1498
 Delta R.T. -0.006 min
 Lab File: BF136052.D
 Acq: 31 Oct 2023 15:32

Tgt Ion:248 Resp: 33030
 Ion Ratio Lower Upper
 248 100
 250 94.9 77.6 116.4
 141 73.0 50.4 75.6

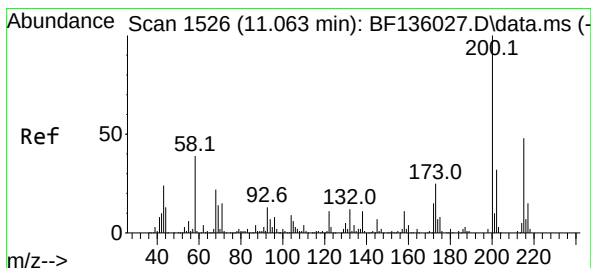
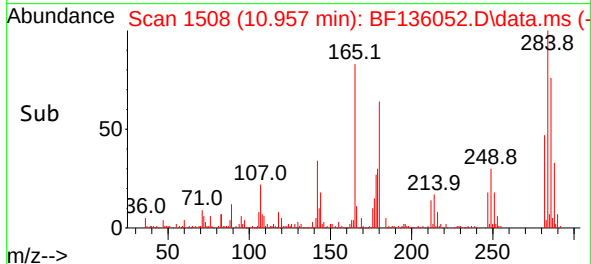
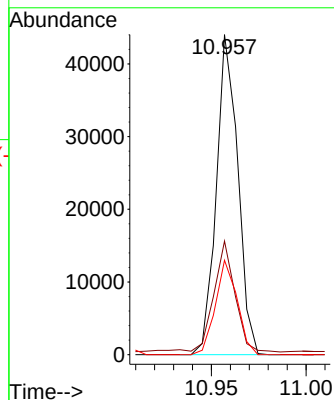
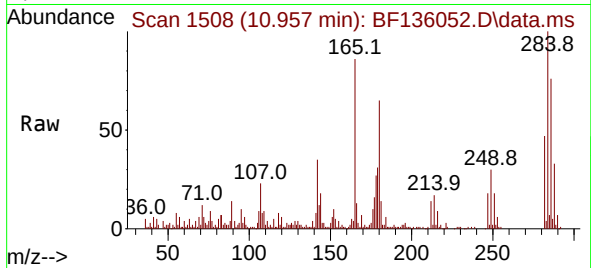




#68
Hexachlorobenzene
Concen: 10.026 ng
RT: 10.957 min Scan# 1508
Delta R.T. -0.006 min
Lab File: BF136052.D
Acq: 31 Oct 2023 15:32

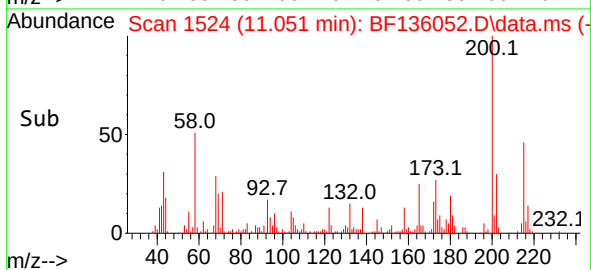
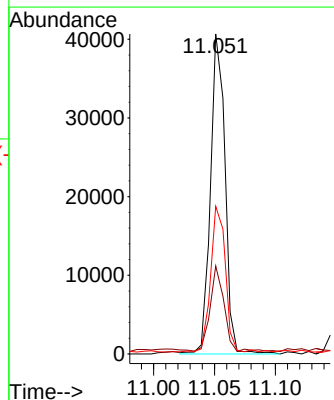
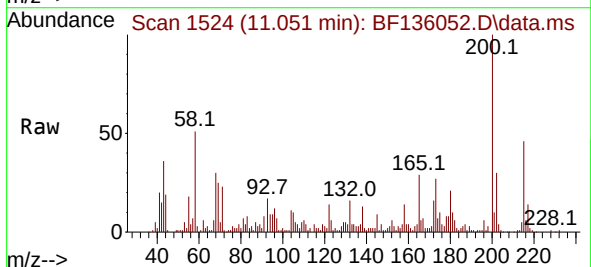
Instrument :
BNA_F
ClientSampleId :
B-1(0-5)MS

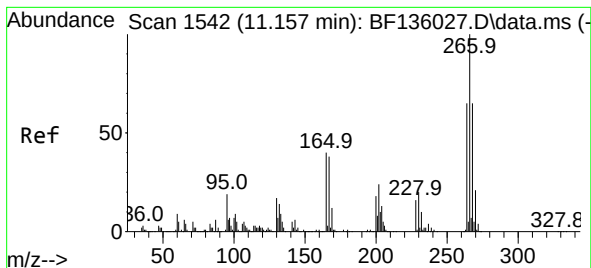
Tgt Ion:284 Resp: 34726
Ion Ratio Lower Upper
284 100
142 35.5 20.2 30.4#
249 29.5 22.6 33.8



#69
Atrazine
Concen: 13.296 ng
RT: 11.051 min Scan# 1524
Delta R.T. -0.012 min
Lab File: BF136052.D
Acq: 31 Oct 2023 15:32

Tgt Ion:200 Resp: 33754
Ion Ratio Lower Upper
200 100
173 27.5 5.2 45.2
215 46.2 28.4 68.4





#70

Pentachlorophenol

Concen: 16.591 ng

RT: 11.157 min Scan# 1542

Delta R.T. 0.000 min

Lab File: BF136052.D

Acq: 31 Oct 2023 15:32

Instrument :

BNA_F

ClientSampleId :

B-1(0-5)MS

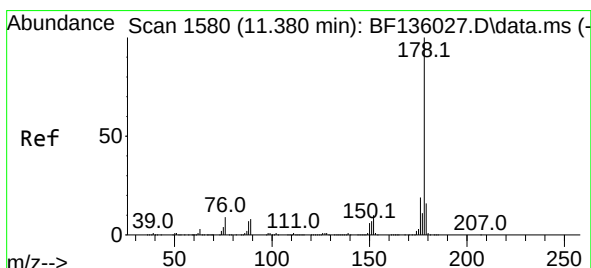
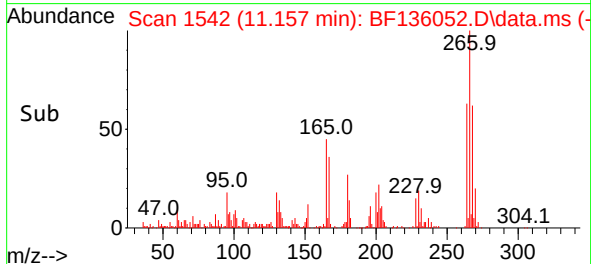
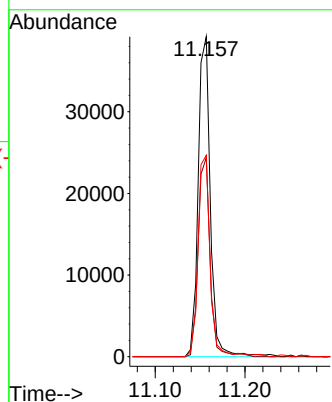
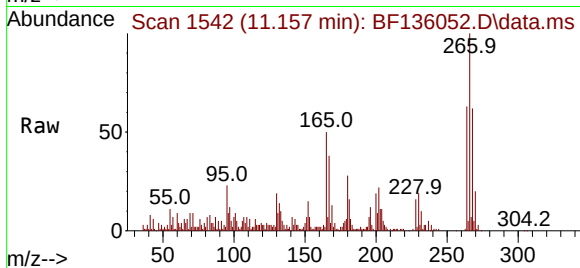
Tgt Ion:266 Resp: 36904

Ion Ratio Lower Upper

266 100

268 62.2 52.2 78.4

264 63.0 52.2 78.4



#71

Phenanthrene

Concen: 91.018 ng

RT: 11.380 min Scan# 1580

Delta R.T. 0.000 min

Lab File: BF136052.D

Acq: 31 Oct 2023 15:32

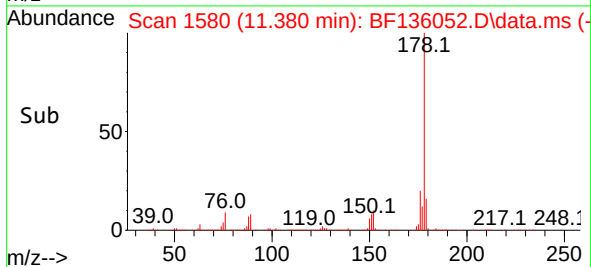
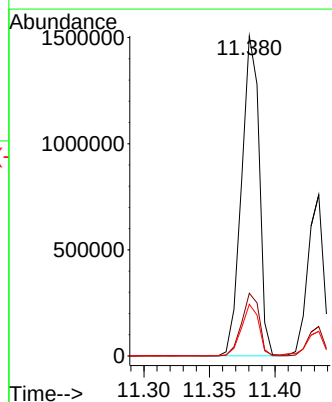
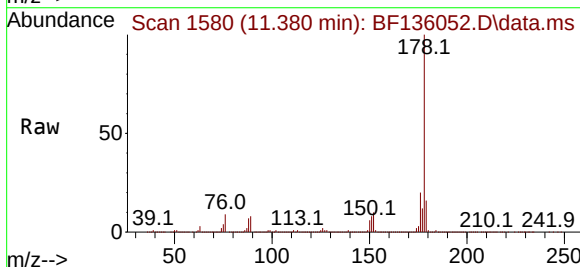
Tgt Ion:178 Resp: 1417517

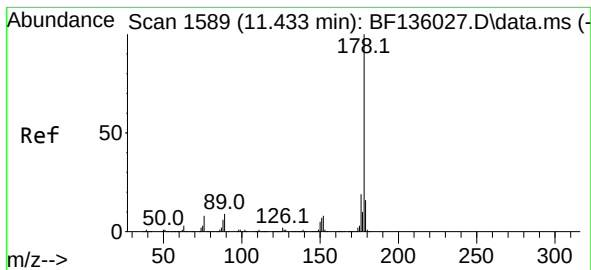
Ion Ratio Lower Upper

178 100

176 19.6 15.5 23.3

179 16.1 12.9 19.3





#72

Anthracene

Concen: 39.243 ng

RT: 11.433 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF136052.D

Acq: 31 Oct 2023 15:32

Instrument :

BNA_F

ClientSampleId :

B-1(0-5)MS

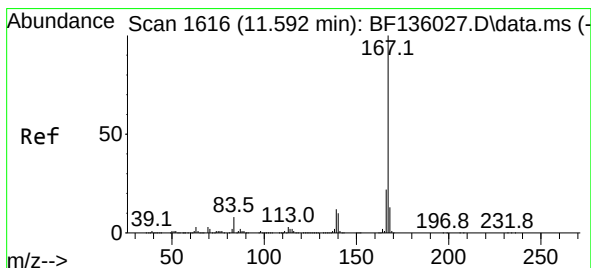
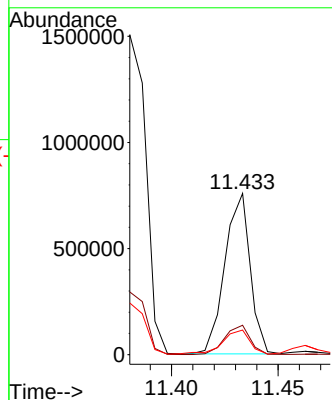
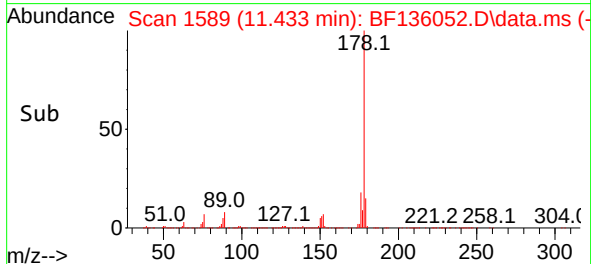
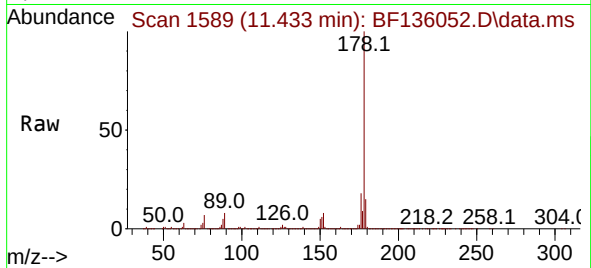
Tgt Ion:178 Resp: 626266

Ion Ratio Lower Upper

178 100

176 18.3 15.0 22.4

179 15.2 12.6 18.8



#73

Carbazole

Concen: 14.613 ng

RT: 11.586 min Scan# 1615

Delta R.T. -0.006 min

Lab File: BF136052.D

Acq: 31 Oct 2023 15:32

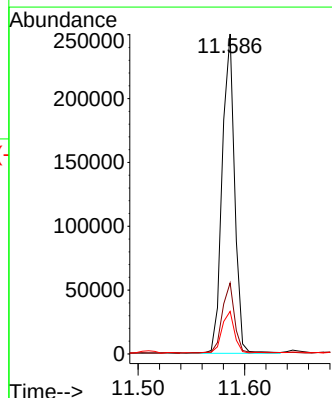
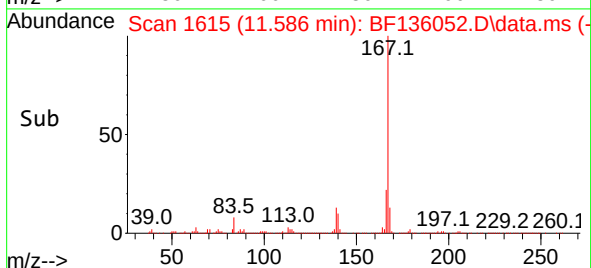
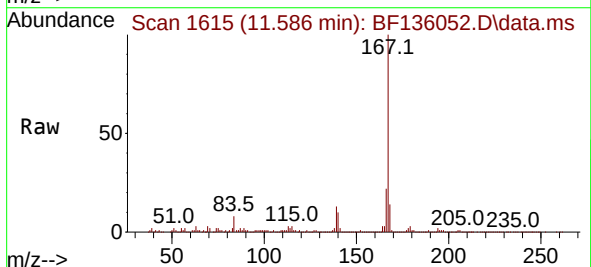
Tgt Ion:167 Resp: 202645

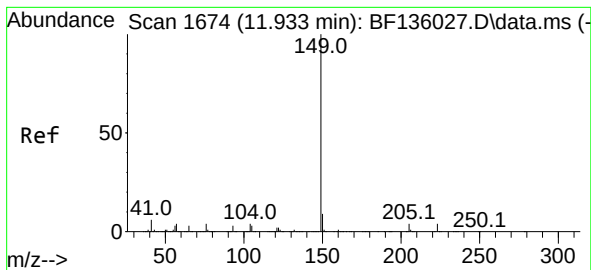
Ion Ratio Lower Upper

167 100

166 22.2 17.2 25.8

139 13.3 9.9 14.9





#74

Di-n-butylphthalate

Concen: 10.654 ng

RT: 11.927 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136052.D

Acq: 31 Oct 2023 15:32

Instrument :

BNA_F

ClientSampleId :

B-1(0-5)MS

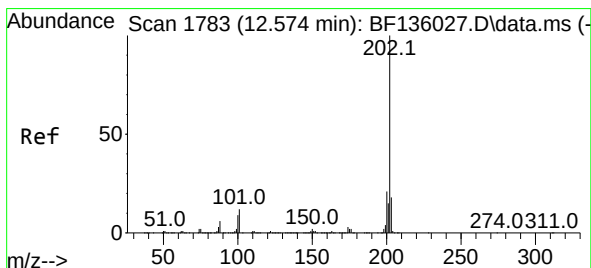
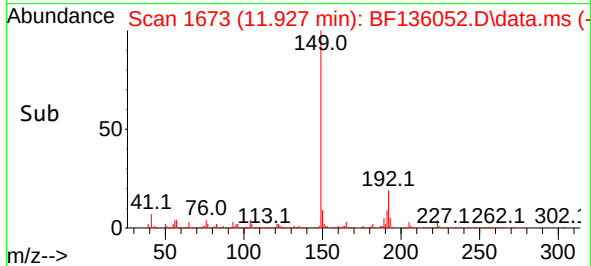
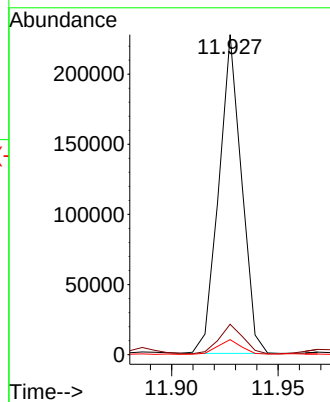
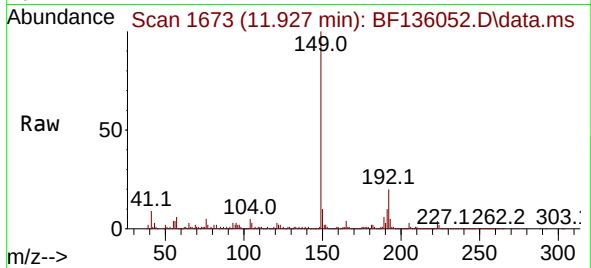
Tgt Ion:149 Resp: 168827

Ion Ratio Lower Upper

149 100

150 9.5 7.3 10.9

104 4.7 3.6 5.4



#75

Fluoranthene

Concen: 139.796 ng

RT: 12.586 min Scan# 1785

Delta R.T. 0.012 min

Lab File: BF136052.D

Acq: 31 Oct 2023 15:32

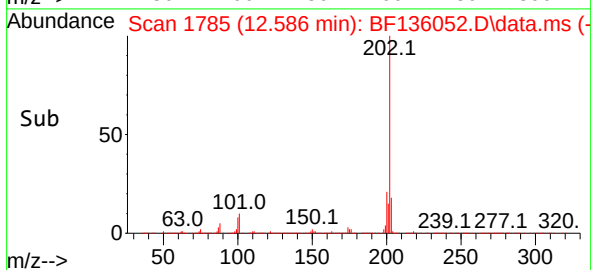
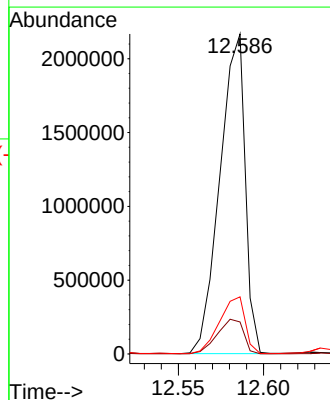
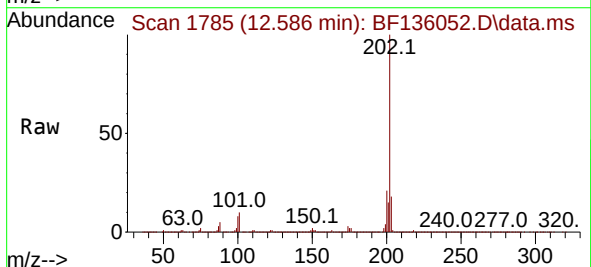
Tgt Ion:202 Resp: 2236639

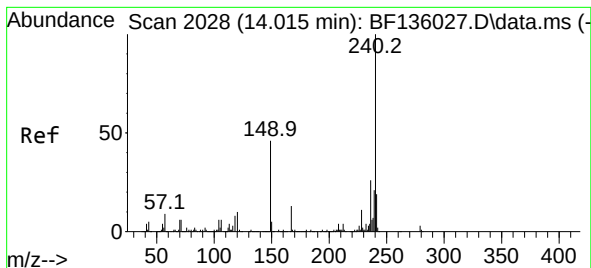
Ion Ratio Lower Upper

202 100

101 10.0 0.0 31.8

203 17.8 0.0 37.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.021 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF136052.D

Acq: 31 Oct 2023 15:32

Instrument :

BNA_F

ClientSampleId :

B-1(0-5)MS

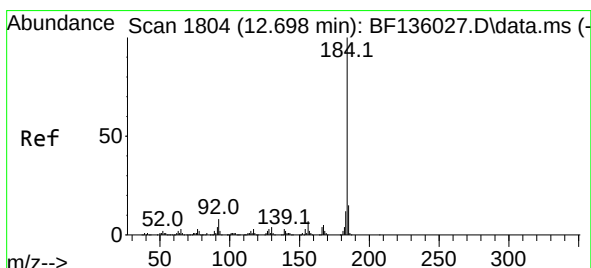
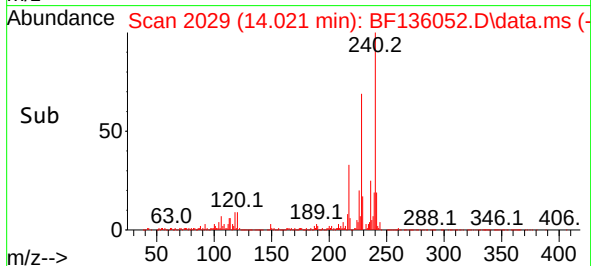
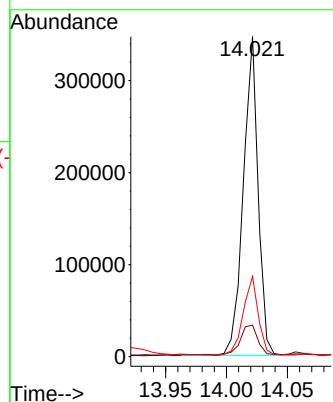
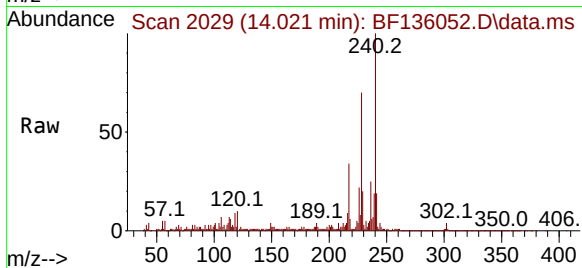
Tgt Ion:240 Resp: 291929

Ion Ratio Lower Upper

240 100

120 9.9 7.6 11.4

236 25.1 20.6 31.0



#77

Benzidine

Concen: 2.975 ng

RT: 12.704 min Scan# 1805

Delta R.T. 0.006 min

Lab File: BF136052.D

Acq: 31 Oct 2023 15:32

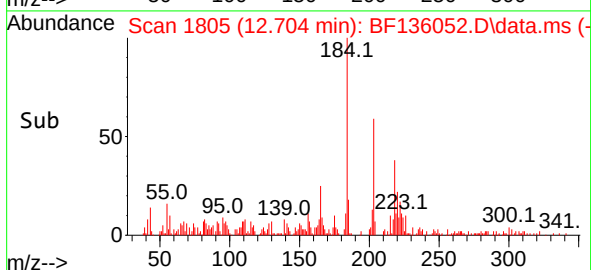
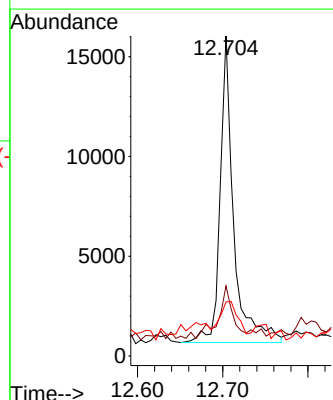
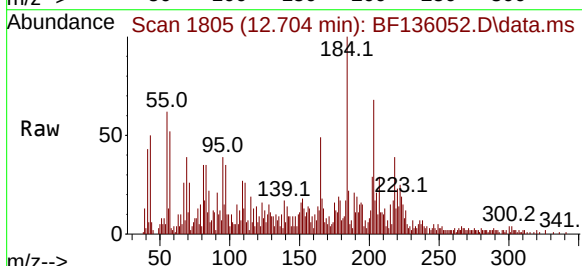
Tgt Ion:184 Resp: 16929

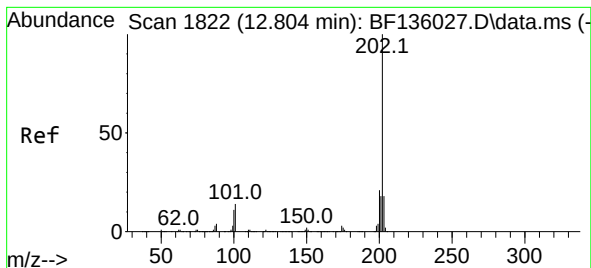
Ion Ratio Lower Upper

184 100

185 21.8 11.8 17.8#

183 16.9 9.5 14.3#





#78

Pyrene

Concen: 81.702 ng

RT: 12.816 min Scan# 1824

Delta R.T. 0.012 min

Lab File: BF136052.D

Acq: 31 Oct 2023 15:32

Instrument :

BNA_F

ClientSampleId :

B-1(0-5)MS

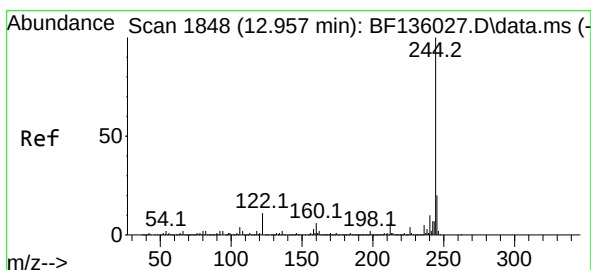
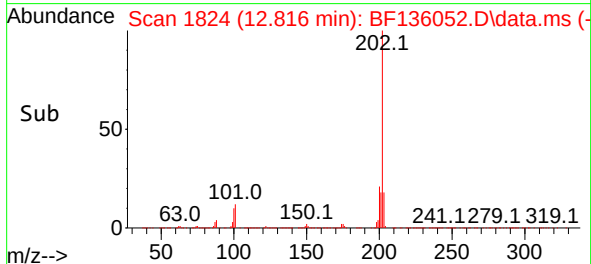
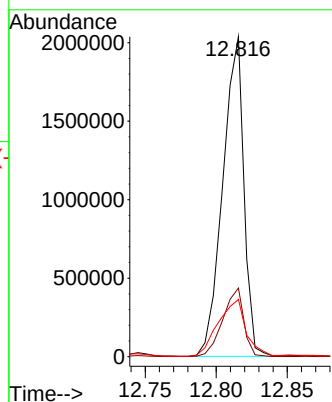
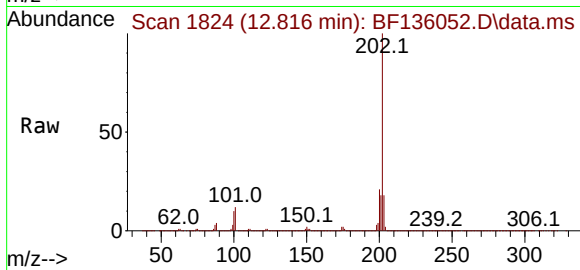
Tgt Ion:202 Resp: 2102830

Ion Ratio Lower Upper

202 100

200 21.4 17.0 25.4

203 17.9 14.4 21.6



#79

Terphenyl-d14

Concen: 9.867 ng

RT: 12.951 min Scan# 1847

Delta R.T. -0.006 min

Lab File: BF136052.D

Acq: 31 Oct 2023 15:32

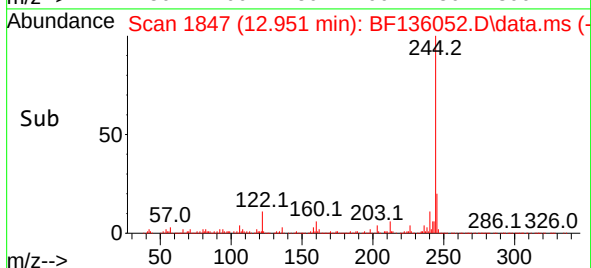
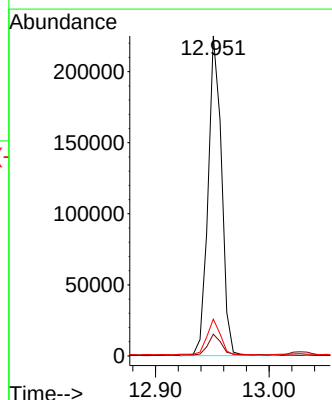
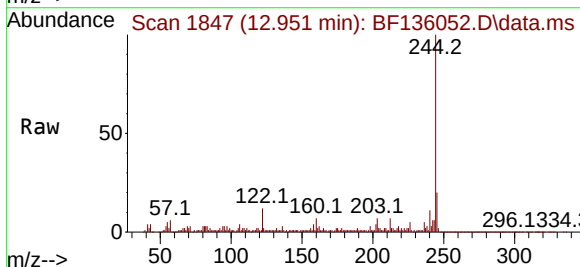
Tgt Ion:244 Resp: 185350

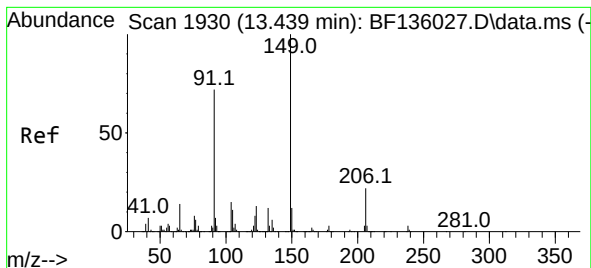
Ion Ratio Lower Upper

244 100

212 6.8 5.1 7.7

122 11.5 8.6 12.8





#80

Butylbenzylphthalate

Concen: 8.684 ng

RT: 13.439 min Scan# 1930

Delta R.T. 0.000 min

Lab File: BF136052.D

Acq: 31 Oct 2023 15:32

Instrument :

BNA_F

ClientSampleId :

B-1(0-5)MS

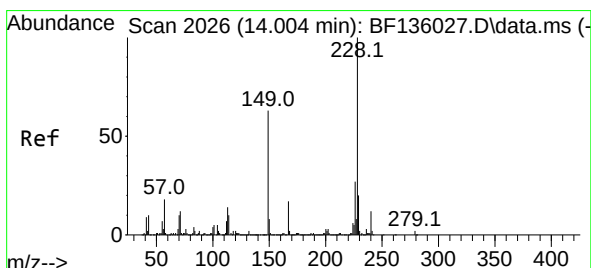
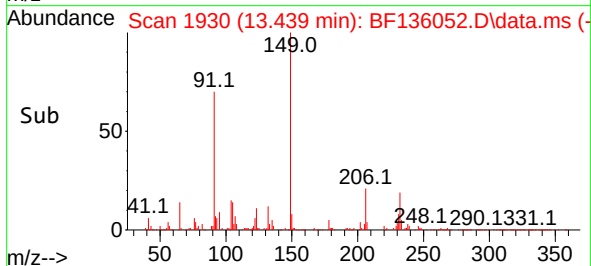
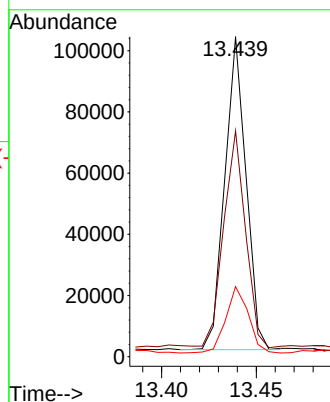
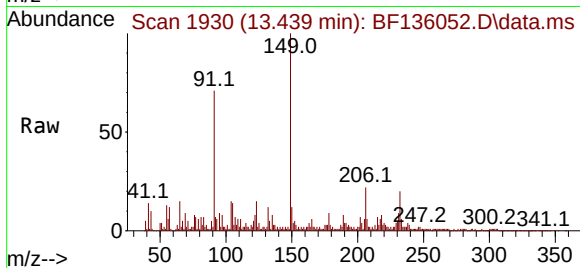
Tgt Ion:149 Resp: 80009

Ion Ratio Lower Upper

149 100

91 70.6 57.6 86.4

206 21.9 17.4 26.0



#81

Benzo(a)anthracene

Concen: 71.806 ng

RT: 14.010 min Scan# 2027

Delta R.T. 0.006 min

Lab File: BF136052.D

Acq: 31 Oct 2023 15:32

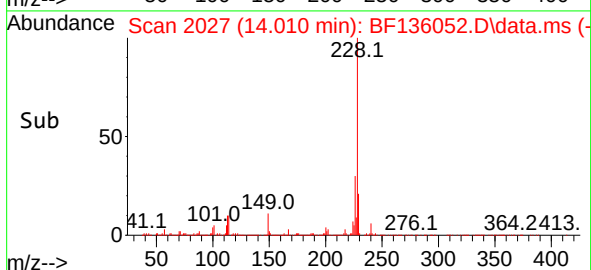
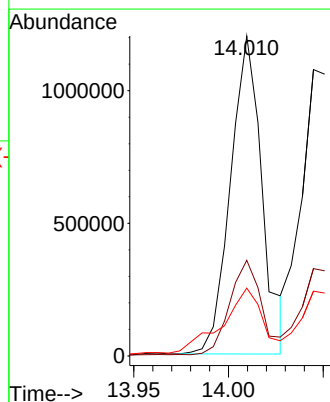
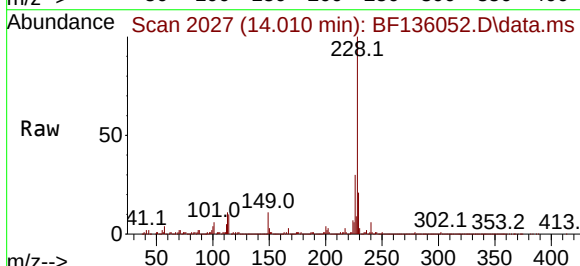
Tgt Ion:228 Resp: 1387756

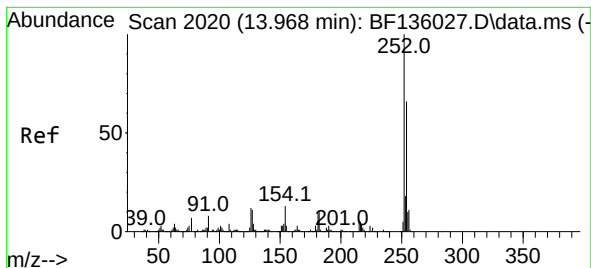
Ion Ratio Lower Upper

228 100

226 29.9 21.5 32.3

229 21.2 15.8 23.6





#82

3,3'-Dichlorobenzidine

Concen: 9.145 ng

RT: 13.974 min Scan# 2020

Delta R.T. 0.006 min

Lab File: BF136052.D

Acq: 31 Oct 2023 15:32

Instrument :

BNA_F

ClientSampleId :

B-1(0-5)MS

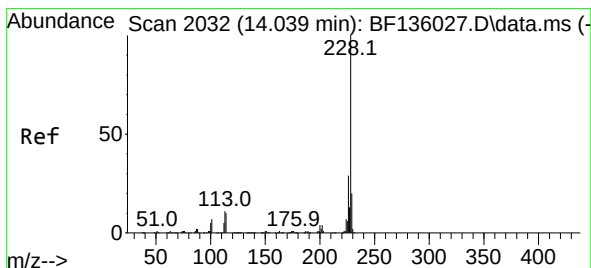
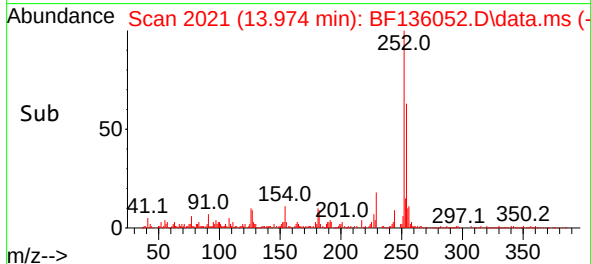
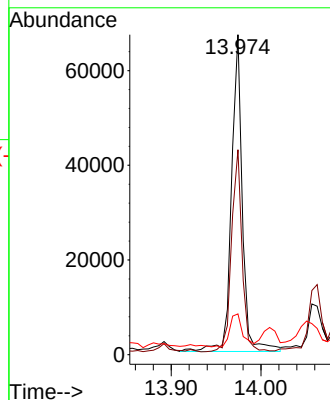
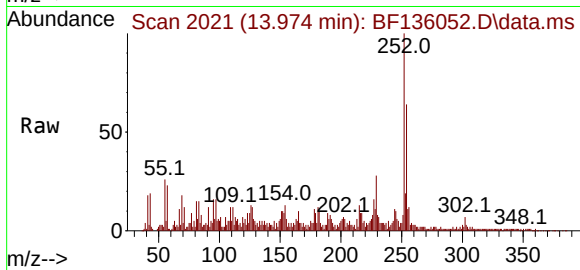
Tgt Ion:252 Resp: 56409

Ion Ratio Lower Upper

252 100

254 64.1 52.5 78.7

126 12.7 9.4 14.2



#83

Chrysene

Concen: 60.582 ng

RT: 14.045 min Scan# 2033

Delta R.T. 0.006 min

Lab File: BF136052.D

Acq: 31 Oct 2023 15:32

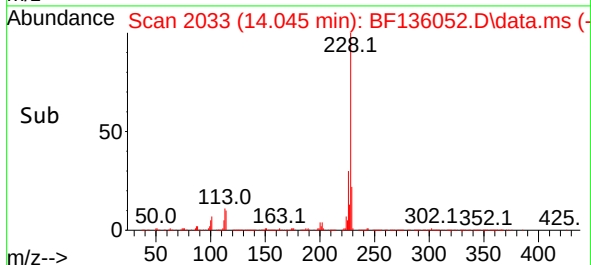
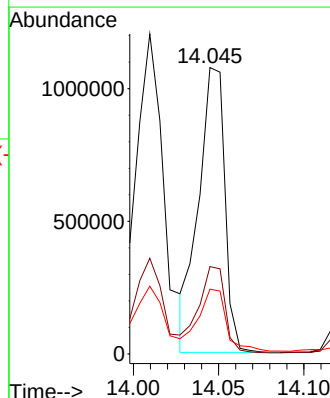
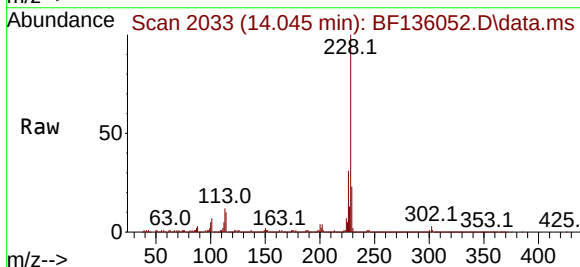
Tgt Ion:228 Resp: 1153071

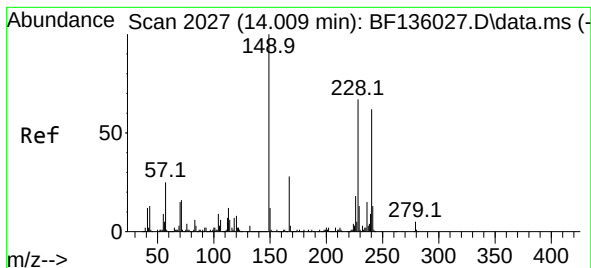
Ion Ratio Lower Upper

228 100

226 30.5 23.5 35.3

229 22.6 16.0 24.0





#84

Bis(2-ethylhexyl)phthalate

Concen: 10.298 ng

RT: 14.010 min Scan# 2027

Delta R.T. 0.000 min

Lab File: BF136052.D

Acq: 31 Oct 2023 15:32

Instrument :

BNA_F

ClientSampleId :

B-1(0-5)MS

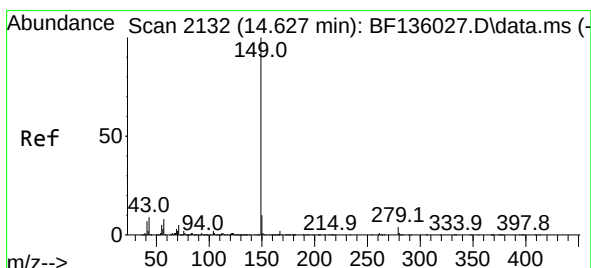
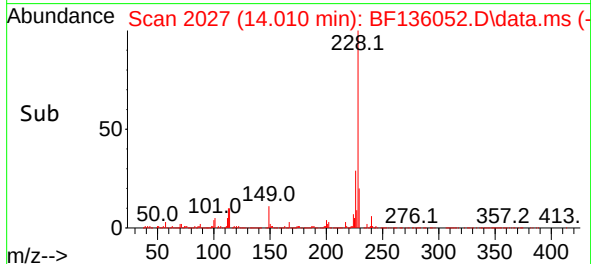
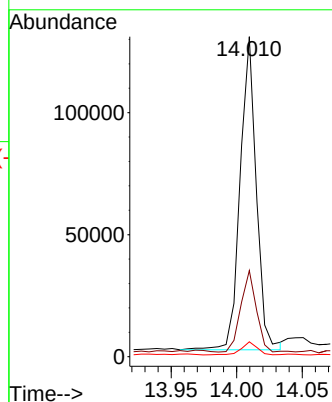
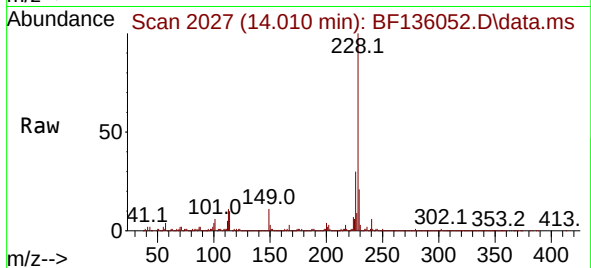
Tgt Ion:149 Resp: 110529

Ion Ratio Lower Upper

149 100

167 26.9 22.6 33.8

279 4.7 4.1 6.1



#85

Di-n-octyl phthalate

Concen: 13.087 ng

RT: 14.627 min Scan# 2132

Delta R.T. 0.000 min

Lab File: BF136052.D

Acq: 31 Oct 2023 15:32

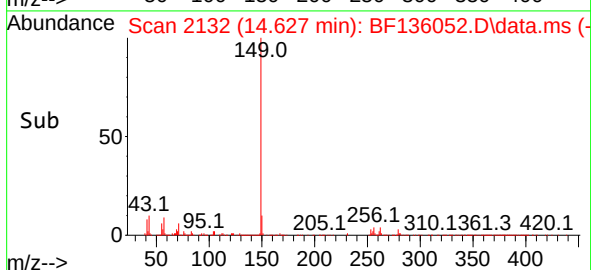
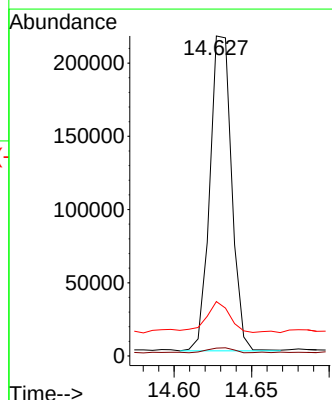
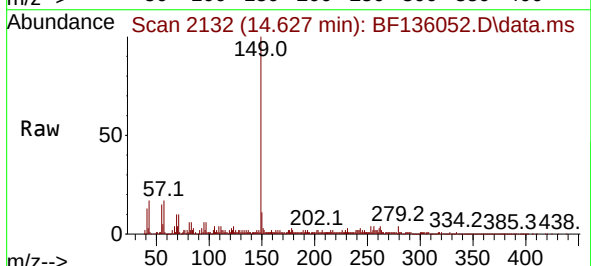
Tgt Ion:149 Resp: 210430

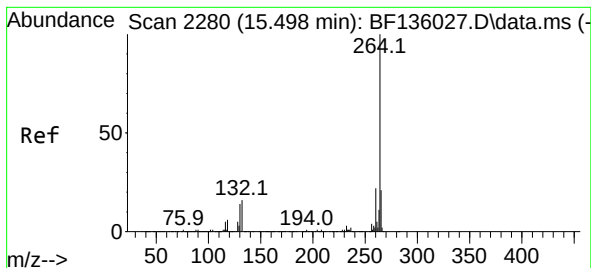
Ion Ratio Lower Upper

149 100

167 1.8 1.3 1.9

43 12.1 7.6 11.4#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.515 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF136052.D

Acq: 31 Oct 2023 15:32

Instrument :

BNA_F

ClientSampleId :

B-1(0-5)MS

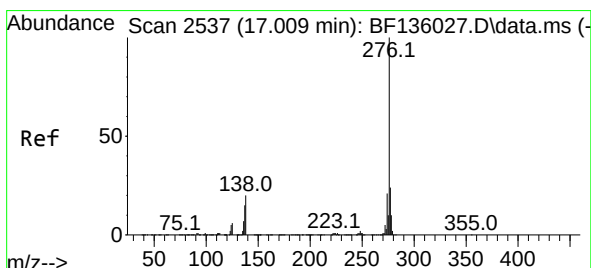
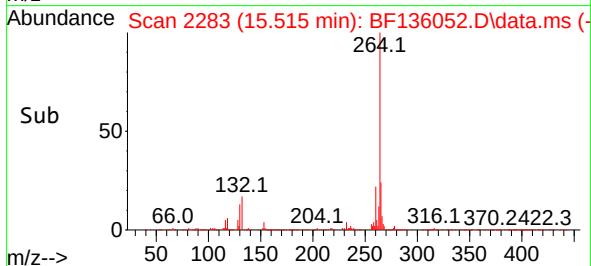
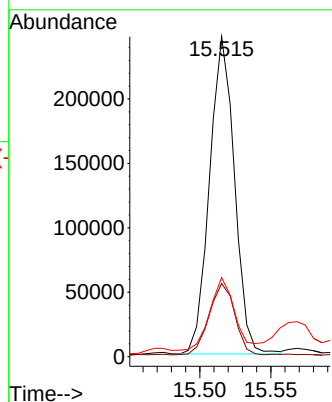
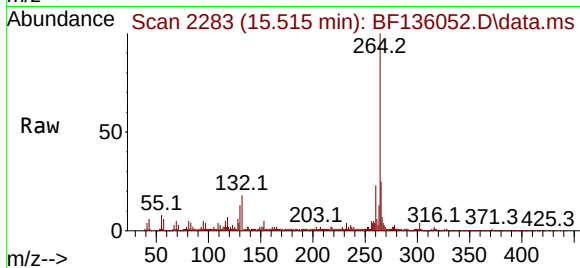
Tgt Ion:264 Resp: 300530

Ion Ratio Lower Upper

264 100

260 22.9 17.9 26.9

265 24.7 16.8 25.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 33.382 ng

RT: 17.039 min Scan# 2542

Delta R.T. 0.030 min

Lab File: BF136052.D

Acq: 31 Oct 2023 15:32

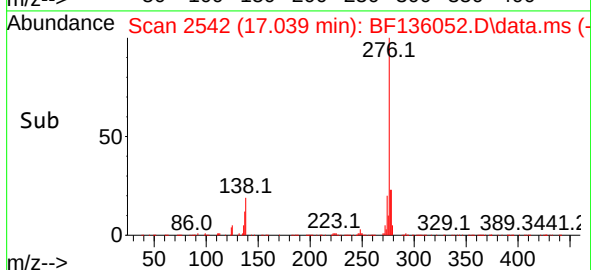
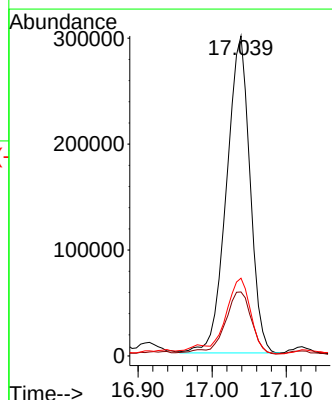
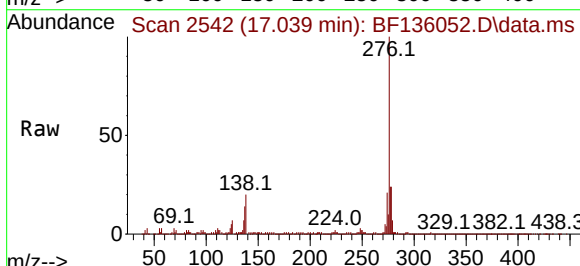
Tgt Ion:276 Resp: 655676

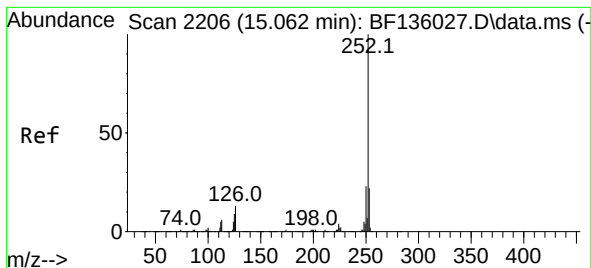
Ion Ratio Lower Upper

276 100

138 22.5 20.4 30.6

277 24.4 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 92.545 ng

RT: 15.080 min Scan# 2209

Delta R.T. 0.018 min

Lab File: BF136052.D

Acq: 31 Oct 2023 15:32

Instrument :

BNA_F

ClientSampleId :

B-1(0-5)MS

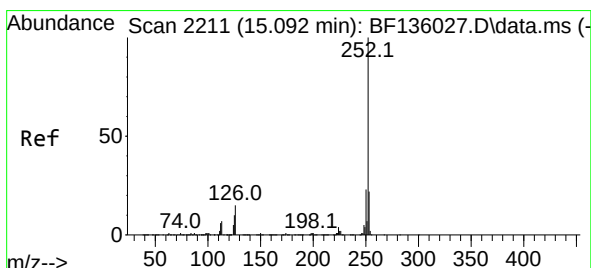
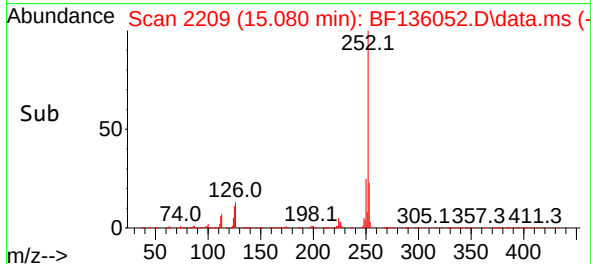
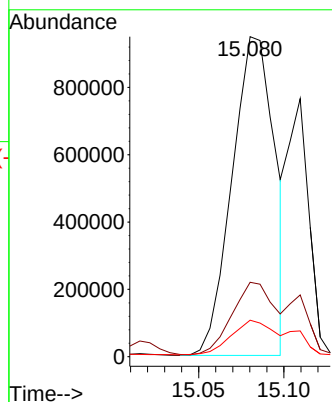
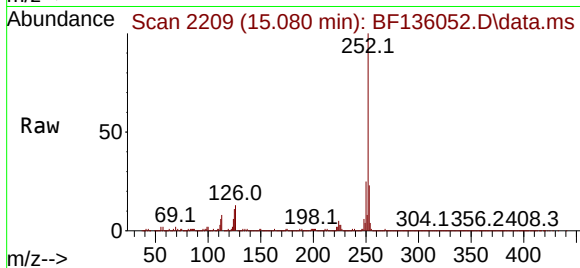
Tgt Ion:252 Resp: 1645713

Ion Ratio Lower Upper

252 100

253 23.3 17.7 26.5

125 11.4 7.5 11.3#



#89

Benzo(k)fluoranthene

Concen: 93.532 ng

RT: 15.080 min Scan# 2209

Delta R.T. -0.012 min

Lab File: BF136052.D

Acq: 31 Oct 2023 15:32

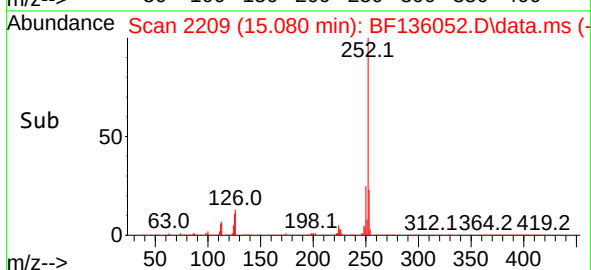
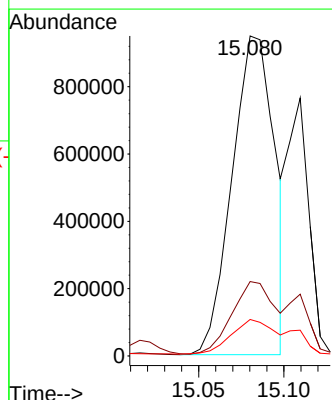
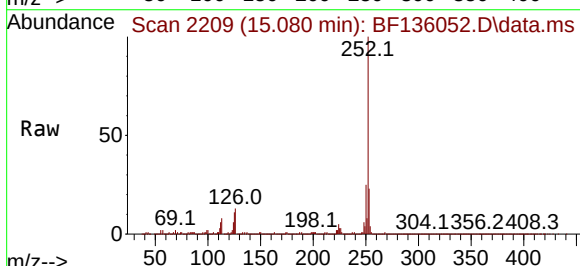
Tgt Ion:252 Resp: 1645713

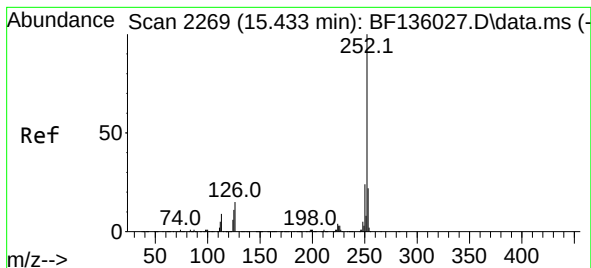
Ion Ratio Lower Upper

252 100

253 23.3 17.4 26.0

125 11.4 8.0 12.0





#90

Benzo(a)pyrene

Concen: 73.203 ng

RT: 15.457 min Scan# 21

Delta R.T. 0.024 min

Lab File: BF136052.D

Acq: 31 Oct 2023 15:32

Instrument :

BNA_F

ClientSampleId :

B-1(0-5)MS

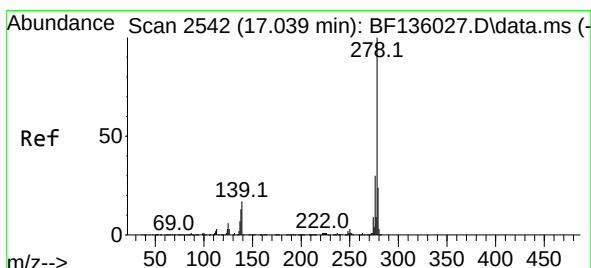
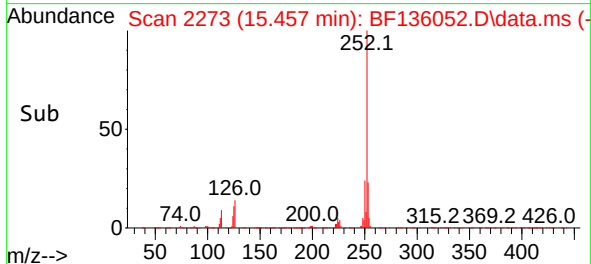
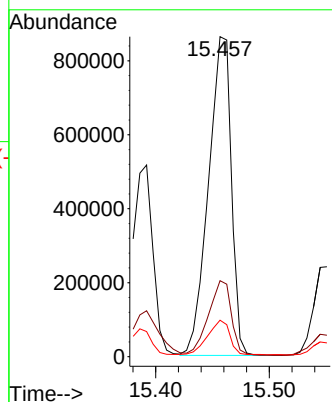
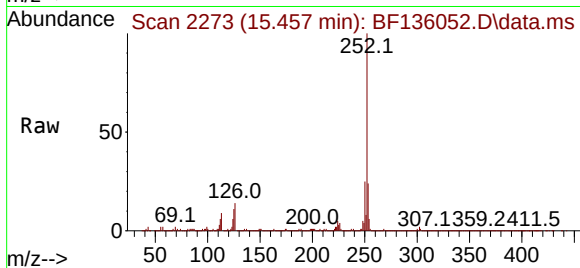
Tgt Ion:252 Resp: 1209527

Ion Ratio Lower Upper

252 100

253 23.8 17.3 25.9

125 11.4 9.0 13.6



#91

Dibenzo(a,h)anthracene

Concen: 15.278 ng

RT: 17.056 min Scan# 2545

Delta R.T. 0.018 min

Lab File: BF136052.D

Acq: 31 Oct 2023 15:32

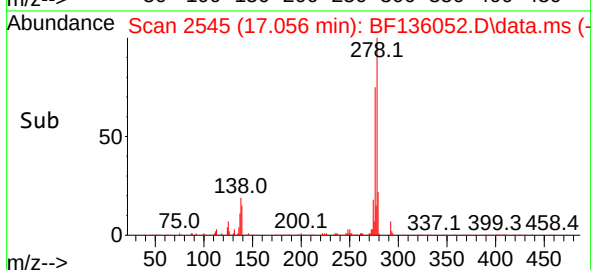
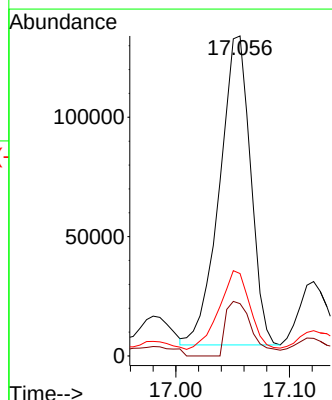
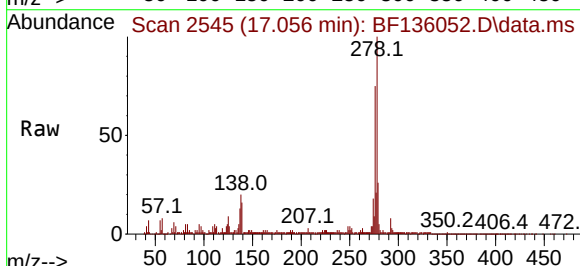
Tgt Ion:278 Resp: 245802

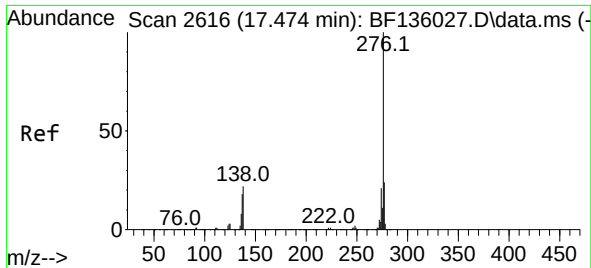
Ion Ratio Lower Upper

278 100

139 16.4 13.7 20.5

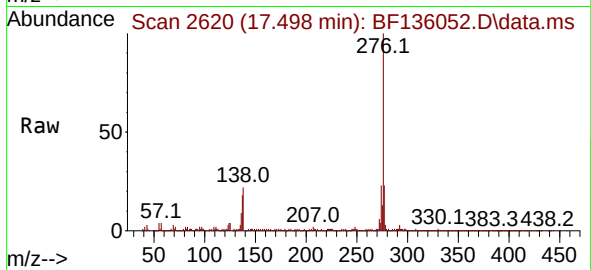
279 25.8 19.0 28.6





#92
 Benzo(g,h,i)perylene
 Concen: 31.692 ng
 RT: 17.498 min Scan# 20
 Delta R.T. 0.024 min
 Lab File: BF136052.D
 Acq: 31 Oct 2023 15:32

Instrument :
 BNA_F
 ClientSampleId :
 B-1(0-5)MS



Tgt Ion:276 Resp: 561341
 Ion Ratio Lower Upper
 276 100
 277 23.5 19.0 28.4
 138 22.4 17.4 26.2

