

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120423\
 Data File : BF136380.D
 Acq On : 04 Dec 2023 14:14
 Operator : CG\JU
 Sample : 05576-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-112923

Quant Time: Dec 04 14:36:08 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 04 13:30:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	0.000	152	0	0.000	ng	-6.80
21) Naphthalene-d8	8.104	136	82	20.000	ng	# 0.02
39) Acenaphthene-d10	9.869	164	58	20.000	ng	# 0.03
64) Phenanthrene-d10	11.345	188	66	20.000	ng	# 0.02
76) Chrysene-d12	14.016	240	206	20.000	ng	# 0.04
86) Perylene-d12	15.510	264	971	20.000	ng	# 0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	948416	0.000	ng	0.00
7) Phenol-d6	6.440	99	1156391	0.000	ng	0.00
23) Nitrobenzene-d5	7.363	82	735644	474071.154	ng	0.00
42) 2,4,6-Tribromophenol	10.628	330	296316	417877.136	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1496157	329490.964	ng	0.00
79) Terphenyl-d14	12.921	244	1252323	70123.311	ng	0.00
Target Compounds						
						Qvalue
22) Acetophenone	7.263	105	765	355.221	ng	# 61
24) Nitrobenzene	7.392	77	102	64.864	ng	# 8
26) 2-Nitrophenol	7.704	139	128	191.041	ng	# 1
27) 2,4-Dimethylphenol	7.775	122	314	356.057	ng	# 1
28) bis(2-Chloroethoxy)met...	7.834	93	489	288.927	ng	# 1
29) 2,4-Dichlorophenol	7.981	162	359	301.807	ng	# 22
31) Naphthalene	8.098	128	8108	1759.152	ng	# 90
32) Benzoic acid	7.875	122	130	161.747	ng	# 37
33) 4-Chloroaniline	8.187	127	233	148.722	ng	# 38
35) Caprolactam	8.581	113	101	303.735	ng	# 1
36) 4-Chloro-3-methylphenol	8.681	107	255	197.660	ng	# 59
37) 2-Methylnaphthalene	8.786	142	16117	5574.484	ng	# 88
38) 1-Methylnaphthalene	8.886	142	12775	4529.455	ng	# 89
43) 2,4,6-Trichlorophenol	9.251	196	73	60.930	ng	# 14
44) 2,4,5-Trichlorophenol	9.251	196	73	55.833	ng	# 1
46) 1,1'-Biphenyl	9.251	154	5671	1108.758	ng	# 85
47) 2-Chloronaphthalene	9.322	162	470	118.328	ng	# 76
48) 2-Nitroaniline	9.422	65	415	400.181	ng	# 34
49) Acenaphthylene	9.739	152	533	94.031	ng	# 1
50) Dimethylphthalate	9.592	163	496	113.145	ng	# 29
51) 2,6-Dinitrotoluene	9.669	165	516	576.170	ng	# 51
52) Acenaphthene	9.863	154	24135	6737.694	ng	# 85
53) 3-Nitroaniline	9.810	138	426	479.398	ng	# 57
54) 2,4-Dinitrophenol	10.128	184	55	132.048	ng	# 32
55) Dibenzofuran	10.039	168	24959	4682.488	ng	# 92
56) 4-Nitrophenol	9.980	139	408	604.532	ng	# 1
57) 2,4-Dinitrotoluene	10.069	165	466	389.543	ng	# 25
58) Fluorene	10.380	166	27683	6621.122	ng	# 91
60) Diethylphthalate	10.292	149	977	222.798	ng	# 81
61) 4-Chlorophenyl-phenyle...	10.386	204	67	32.998	ng	# 1
62) 4-Nitroaniline	10.586	138	322	370.194	ng	# 96
63) Azobenzene	10.575	77	248	61.003	ng	# 63
65) 4,6-Dinitro-2-methylph...	10.622	198	470	1302.229	ng	# 1
66) n-Nitrosodiphenylamine	10.533	169	1323	625.513	ng	# 31
67) 4-Bromophenyl-phenylether	10.622	248	17624	22888.475	ng	# 1
69) Atrazine	11.045	200	93	148.225	ng	# 27

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

71) Phenanthrene	11.345	178	251800	67879.816	ng	96
72) Anthracene	11.345	178	251800	67688.695	ng	97
73) Carbazole	11.557	167	26799	8470.356	ng	99
74) Di-n-butylphthalate	11.939	149	359	90.687	ng #	1
75) Fluoranthene	12.545	202	323164	85816.180	ng	94
77) Benzidine	12.651	184	648	191.360	ng #	1
78) Pyrene	12.545	202	323337	14331.940	ng	95
80) Butylbenzylphthalate	13.427	149	330	46.999	ng #	58
81) Benzo(a)anthracene	13.998	228	140521	9183.763	ng	96
82) 3,3'-Dichlorobenzidine	13.963	252	414	112.403	ng #	48
83) Chrysene	13.963	228	149182	10097.772	ng	95
84) Bis(2-ethylhexyl)phtha...	13.992	149	728	86.394	ng #	73
85) Di-n-octyl phthalate	14.621	149	1494	102.587	ng #	1
87) Indeno(1,2,3-cd)pyrene	16.957	276	61482	802.487	ng	98
88) Benzo(b)fluoranthene	15.133	252	22799	334.670	ng #	69
89) Benzo(k)fluoranthene	15.133	252	22799	352.372	ng #	67
90) Benzo(a)pyrene	15.486	252	30509	547.839	ng #	77
91) Dibenzo(a,h)anthracene	17.051	278	5894	98.173	ng #	60
92) Benzo(g,h,i)perylene	17.415	276	53191	875.826	ng	95

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

BNA F

BNA F

ClientSampleId :

TR-04-112923

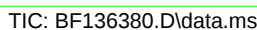
Quant Time: Dec 04 14:36:08 2023

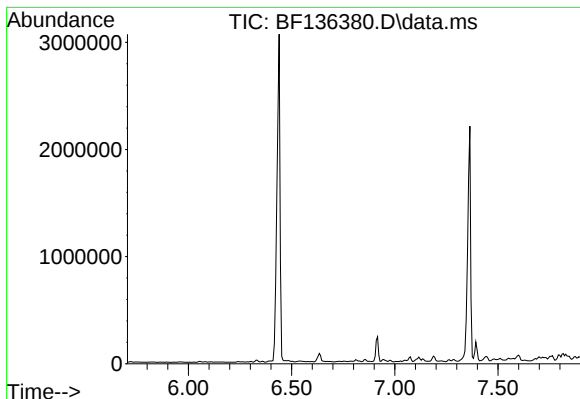
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Dec 04 13:30:53 2023

Response via : Initial Calibration

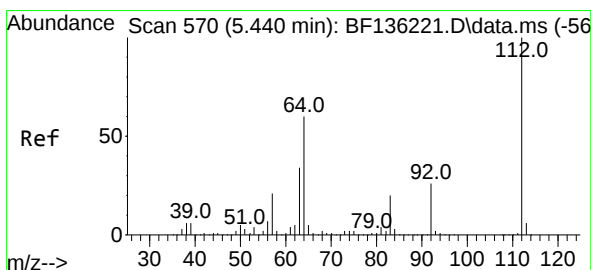
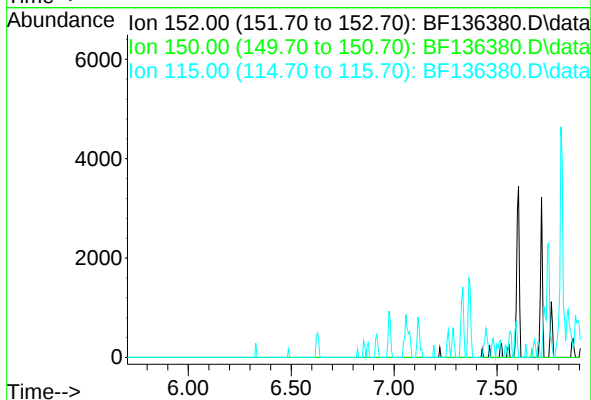




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.000 ng
 Expected RT: 6.80 min
 Lab File: BF136380.D
 Acq: 04 Dec 2023 14:14

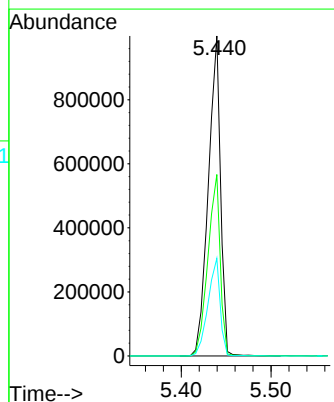
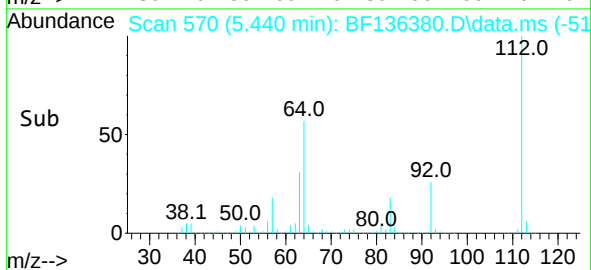
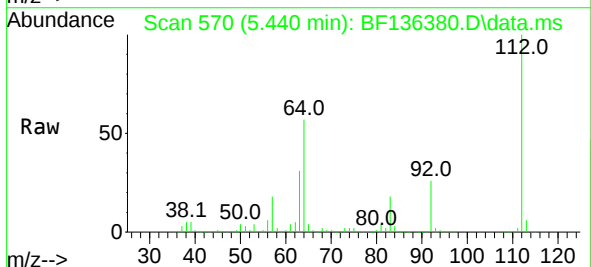
Instrument :
 BNA_F
 ClientSampleId :
 TR-04-112923

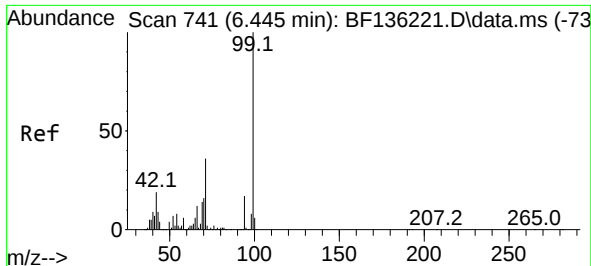
Tgt Ion: 152
 Sig Exp Ratio
 152 100
 150 172.3
 115 65.9



#5
 2-Fluorophenol
 Concen: 0.000 ng
 RT: 5.440 min Scan# 570
 Delta R.T. 0.000 min
 Lab File: BF136380.D
 Acq: 04 Dec 2023 14:14

Tgt Ion: 112 Resp: 948416
 Ion Ratio Lower Upper
 112 100
 64 56.7 48.2 72.4
 63 30.5 27.0 40.6

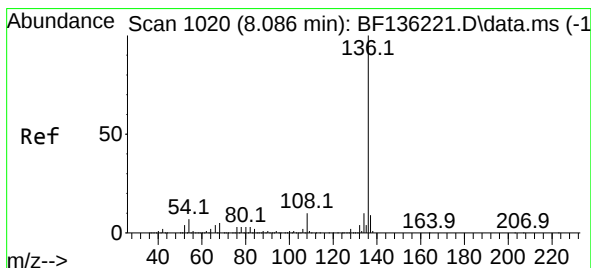
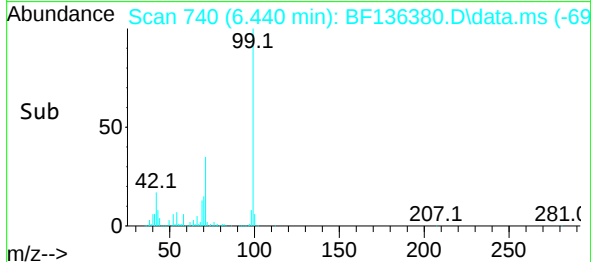
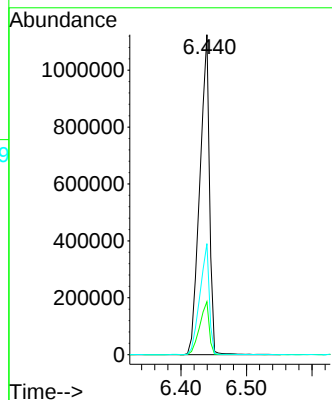
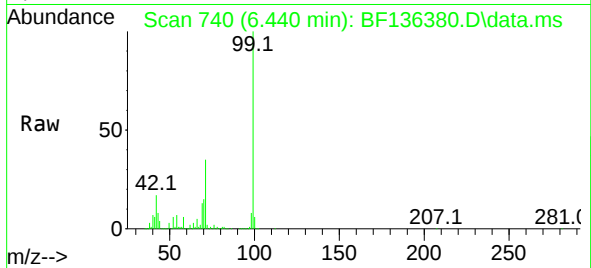




#7
Phenol-d6
Concen: 0.000 ng
RT: 6.440 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF136380.D
Acq: 04 Dec 2023 14:14

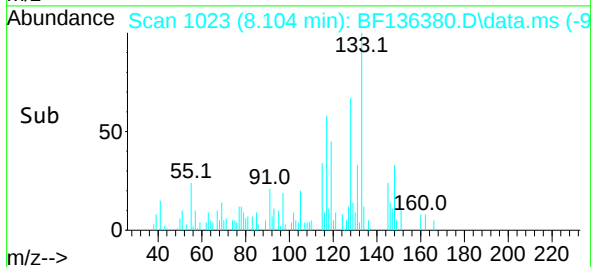
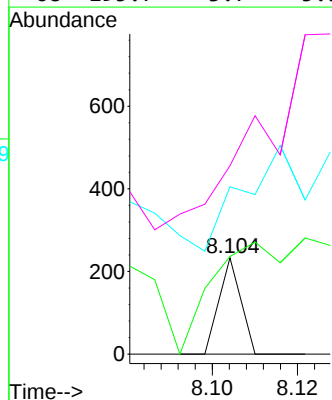
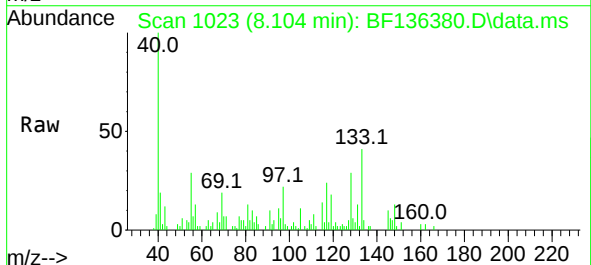
Instrument :
BNA_F
ClientSampleId :
TR-04-112923

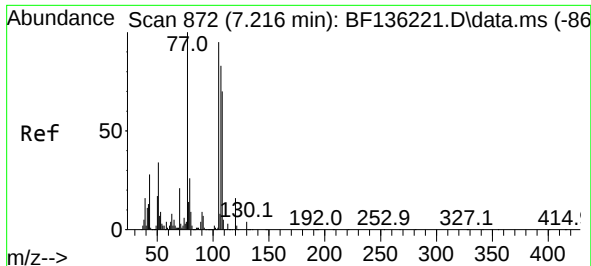
Tgt Ion: 99 Resp: 1156391
Ion Ratio Lower Upper
99 100
42 16.5 15.0 22.6
71 34.7 28.9 43.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1023
Delta R.T. 0.024 min
Lab File: BF136380.D
Acq: 04 Dec 2023 14:14

Tgt Ion: 136 Resp: 82
Ion Ratio Lower Upper
136 100
137 101.3 7.4 11.2#
54 173.8 5.5 8.3#
68 195.7 3.7 5.5#

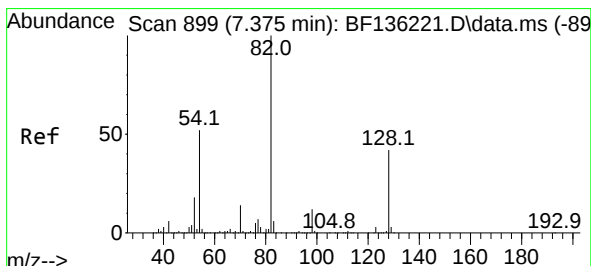
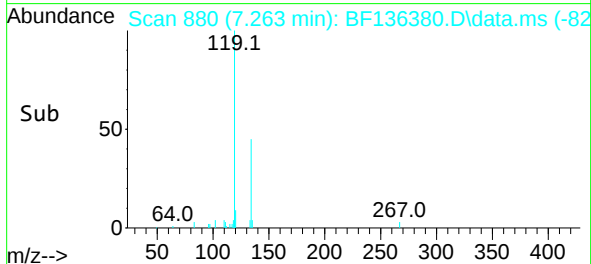
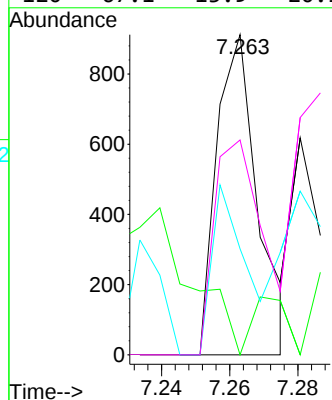
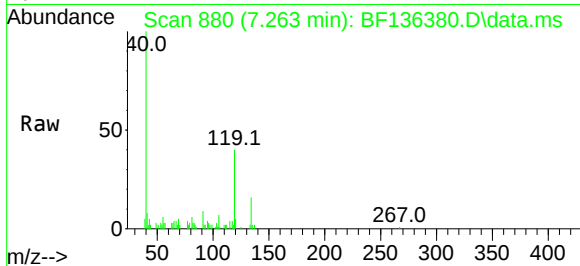




#22
Acetophenone
Concen: 355.221 ng
RT: 7.263 min Scan# 81
Delta R.T. 0.047 min
Lab File: BF136380.D
Acq: 04 Dec 2023 14:14

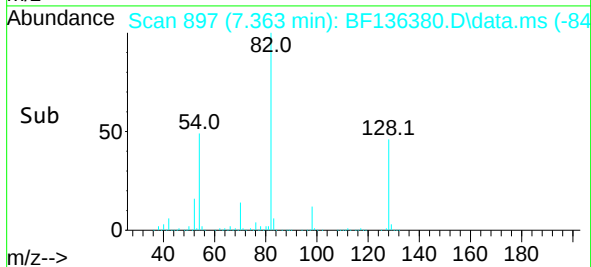
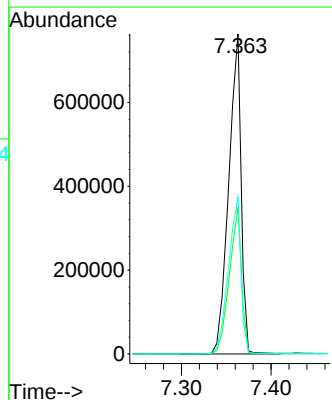
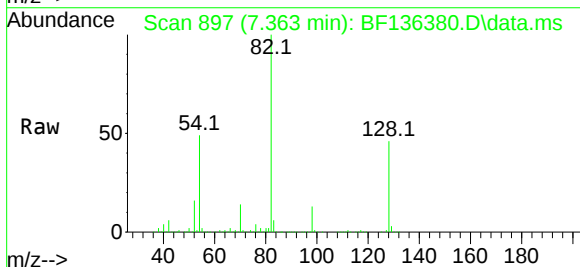
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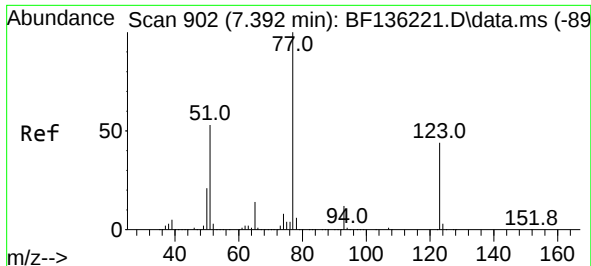
Tgt Ion:105 Resp: 765
Ion Ratio Lower Upper
105 100
71 0.0 2.8 4.2#
51 33.1 29.0 43.6
120 67.1 13.9 20.9#



#23
Nitrobenzene-d5
Concen: 474071.154 ng
RT: 7.363 min Scan# 897
Delta R.T. -0.006 min
Lab File: BF136380.D
Acq: 04 Dec 2023 14:14

Tgt Ion: 82 Resp: 735644
Ion Ratio Lower Upper
82 100
128 45.9 33.4 50.2
54 49.1 41.7 62.5

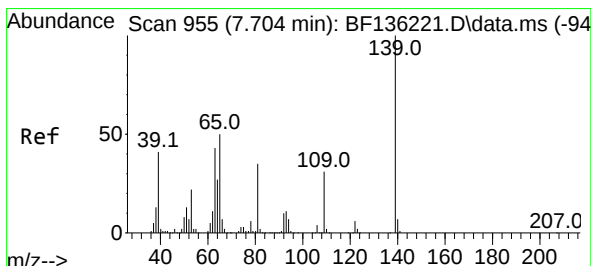
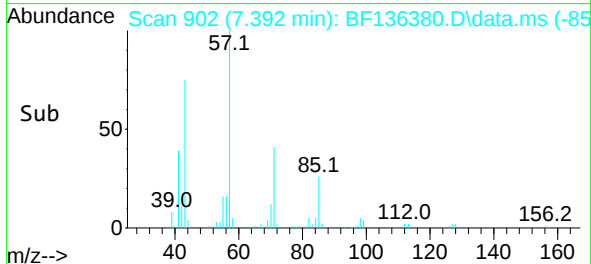
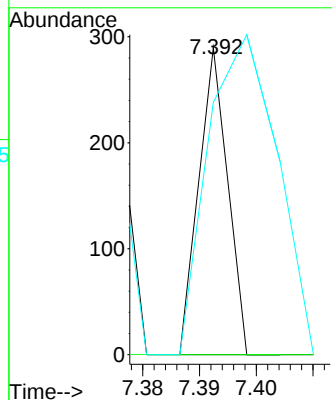
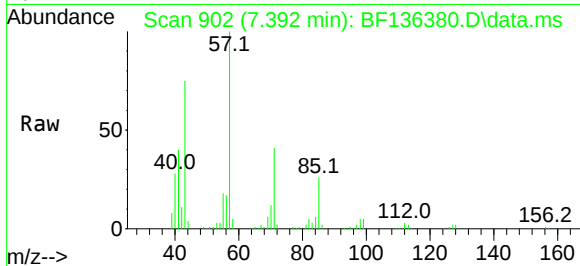




#24
Nitrobenzene
Concen: 64.864 ng
RT: 7.392 min Scan# 902
Delta R.T. 0.006 min
Lab File: BF136380.D
Acq: 04 Dec 2023 14:14

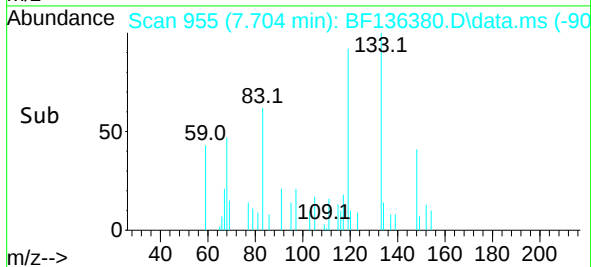
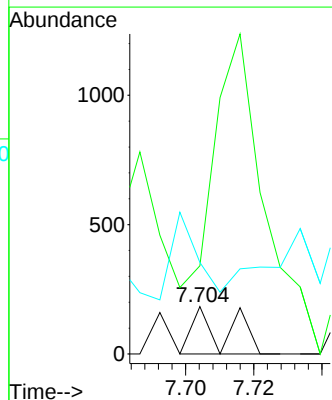
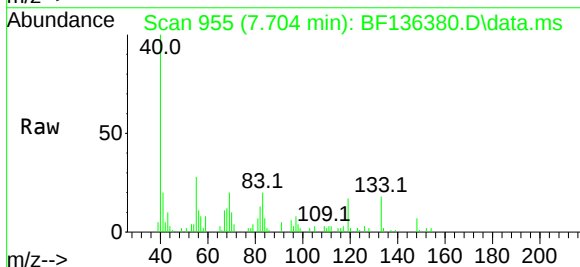
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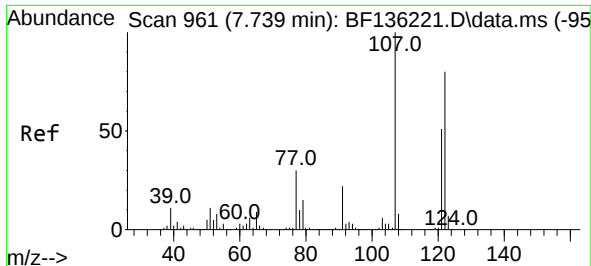
Tgt Ion: 77 Resp: 102
Ion Ratio Lower Upper
77 100
123 0.0 35.4 53.2#
65 82.1 11.0 16.6#



#26
2-Nitrophenol
Concen: 191.041 ng
RT: 7.704 min Scan# 955
Delta R.T. 0.006 min
Lab File: BF136380.D
Acq: 04 Dec 2023 14:14

Tgt Ion:139 Resp: 128
Ion Ratio Lower Upper
139 100
109 186.3 25.0 37.6#
65 193.4 40.4 60.6#

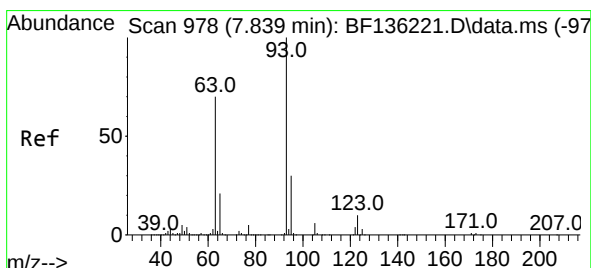
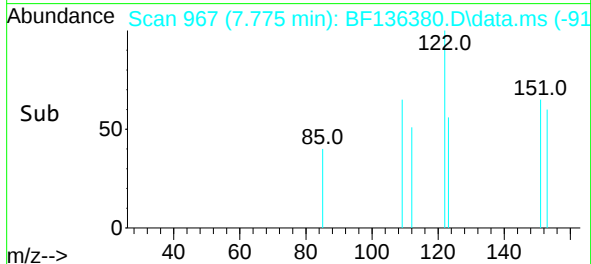
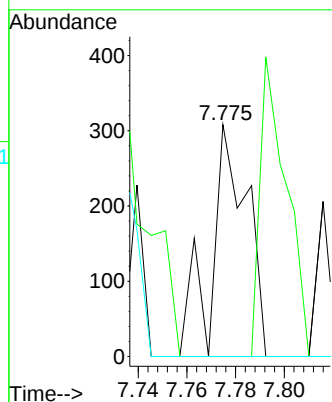
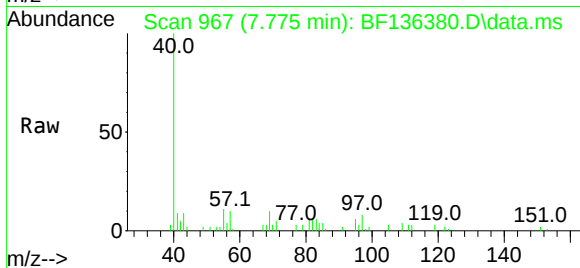




#27
2,4-Dimethylphenol
Concen: 356.057 ng
RT: 7.775 min Scan# 90
Delta R.T. 0.035 min
Lab File: BF136380.D
Acq: 04 Dec 2023 14:14

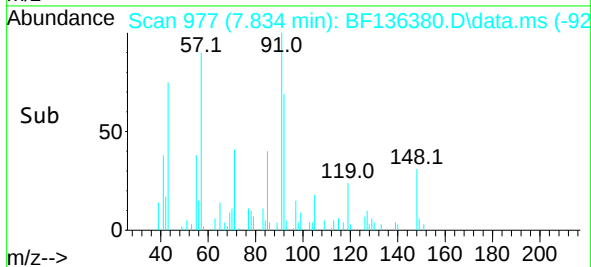
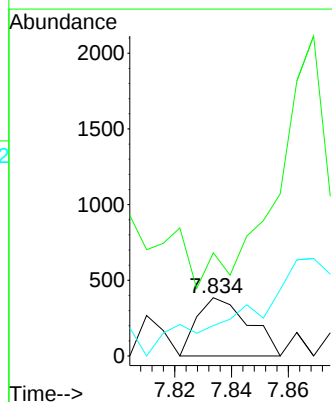
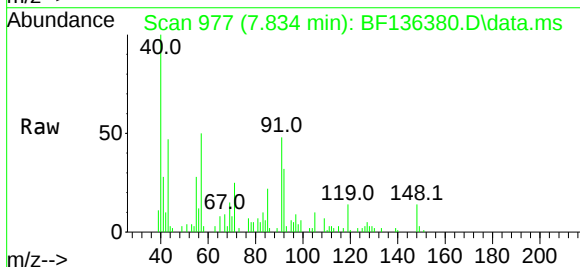
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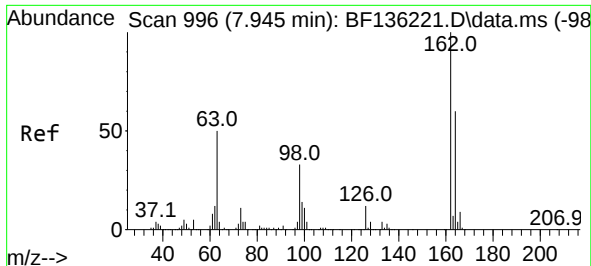
Tgt Ion:122 Resp: 314
Ion Ratio Lower Upper
122 100
107 0.0 100.0 150.0#
121 0.0 50.7 76.1#



#28
bis(2-Chloroethoxy)methane
Concen: 288.927 ng
RT: 7.834 min Scan# 977
Delta R.T. 0.000 min
Lab File: BF136380.D
Acq: 04 Dec 2023 14:14

Tgt Ion: 93 Resp: 489
Ion Ratio Lower Upper
93 100
95 177.1 23.8 35.6#
123 52.2 8.2 12.4#





#29

2,4-Dichlorophenol

Concen: 301.807 ng

RT: 7.981 min Scan# 1002

Delta R.T. 0.041 min

Lab File: BF136380.D

Acq: 04 Dec 2023 14:14

Instrument :

BNA_F

ClientSampleId :

TR-04-112923

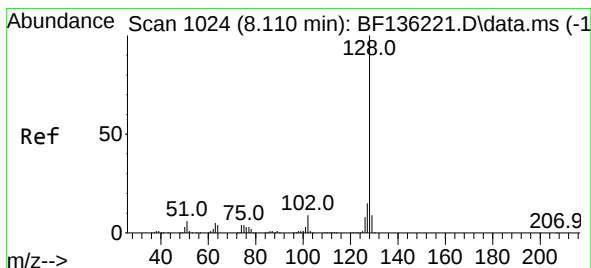
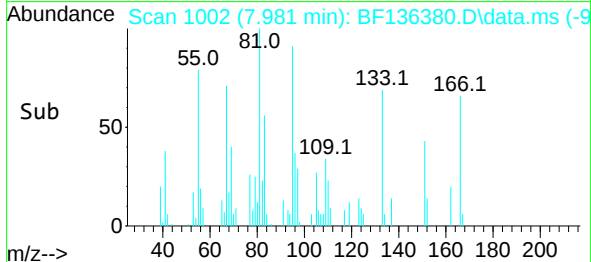
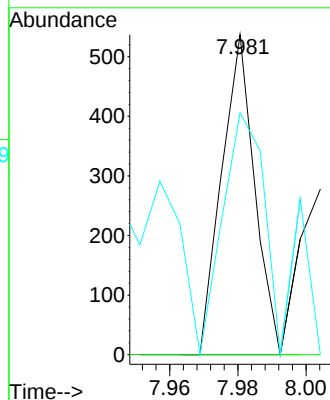
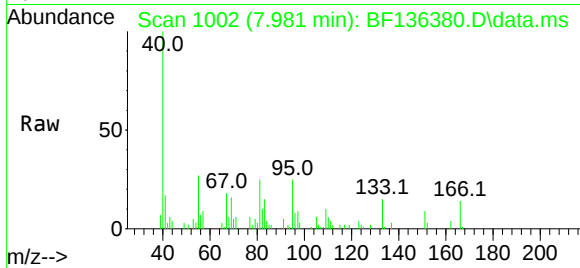
Tgt Ion:162 Resp: 359

Ion Ratio Lower Upper

162 100

164 0.0 40.3 80.3#

98 75.6 13.0 53.0#



#31

Naphthalene

Concen: 1759.152 ng

RT: 8.098 min Scan# 1022

Delta R.T. -0.006 min

Lab File: BF136380.D

Acq: 04 Dec 2023 14:14

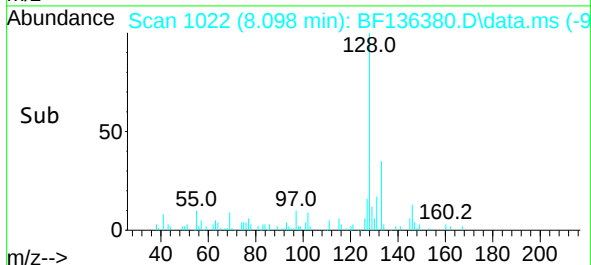
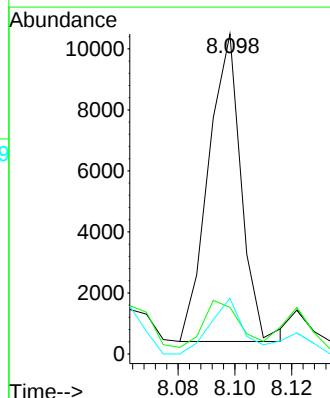
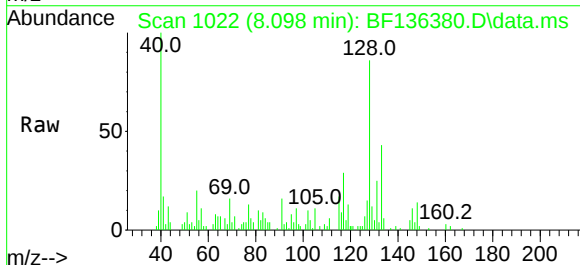
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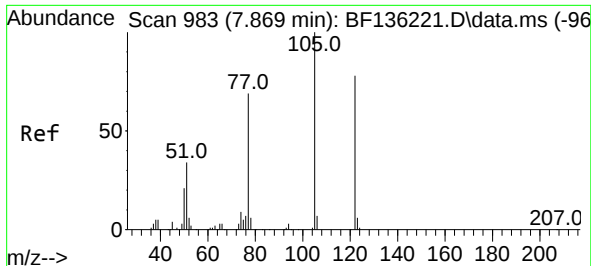
Ion Ratio Lower Upper

128 100

129 14.5 7.3 10.9#

127 17.4 11.8 17.6

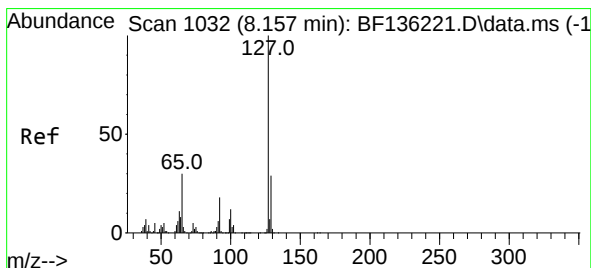
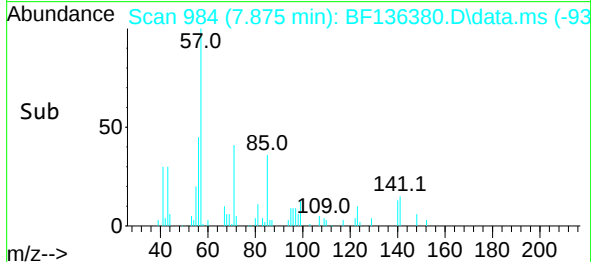
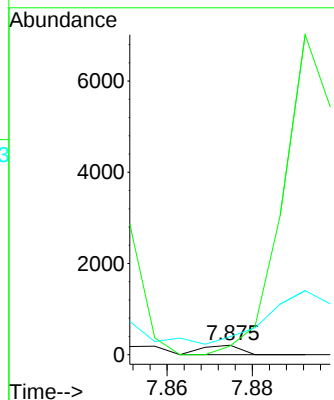
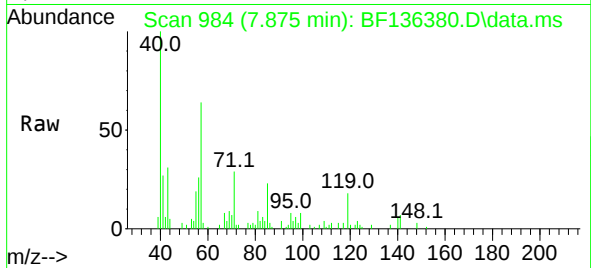




#32
Benzoic acid
Concen: 161.747 ng
RT: 7.875 min Scan# 91
Delta R.T. 0.006 min
Lab File: BF136380.D
Acq: 04 Dec 2023 14:14

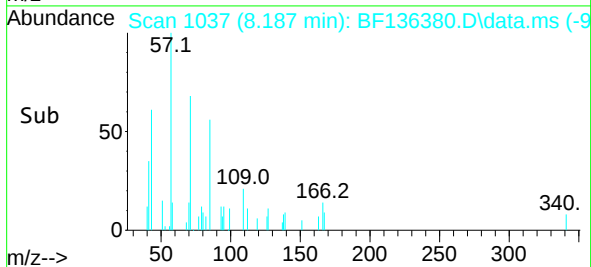
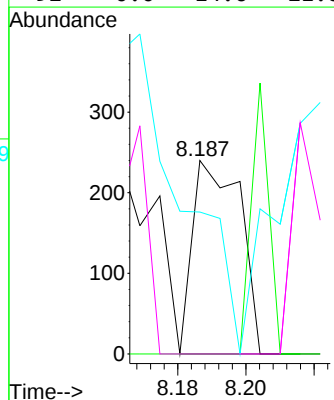
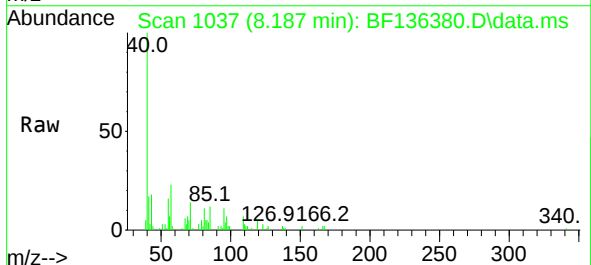
Instrument :
BNA_F
ClientSampleId :
TR-04-112923

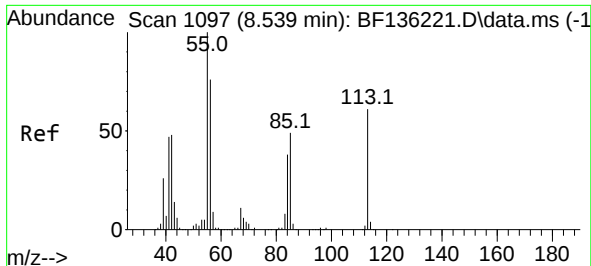
Tgt Ion:122 Resp: 130
Ion Ratio Lower Upper
122 100
105 91.3 103.7 143.7#
77 189.8 66.8 106.8#



#33
4-Chloroaniline
Concen: 148.722 ng
RT: 8.187 min Scan# 1037
Delta R.T. 0.030 min
Lab File: BF136380.D
Acq: 04 Dec 2023 14:14

Tgt Ion:127 Resp: 233
Ion Ratio Lower Upper
127 100
129 0.0 23.4 35.2#
65 73.3 23.8 35.6#
92 0.0 14.6 21.8#

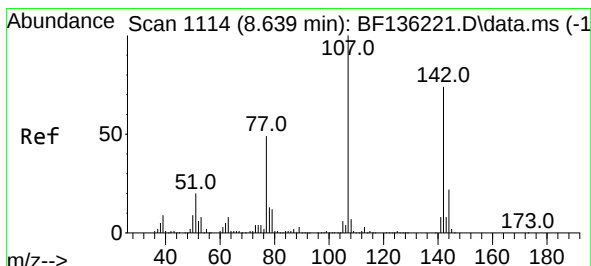
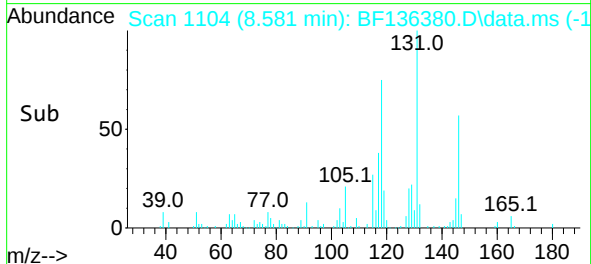
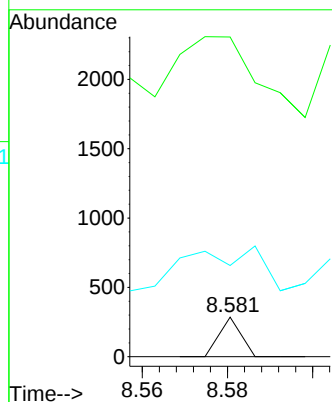
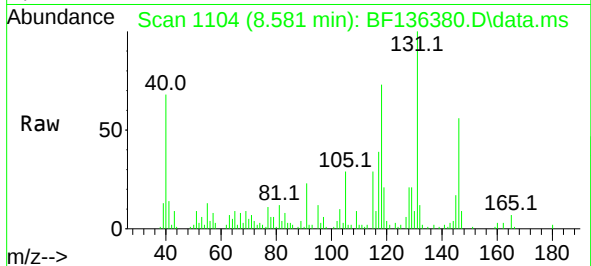




#35
 Caprolactam
 Concen: 303.735 ng
 RT: 8.581 min Scan# 1104
 Delta R.T. 0.041 min
 Lab File: BF136380.D
 Acq: 04 Dec 2023 14:14

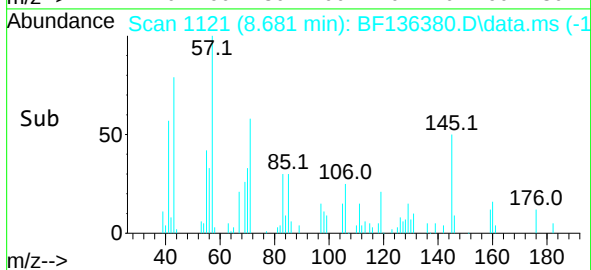
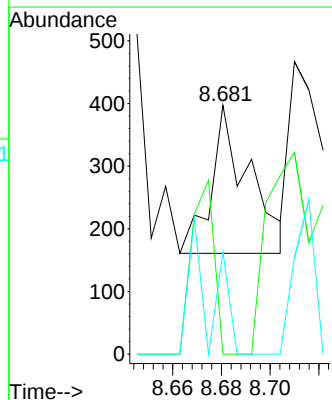
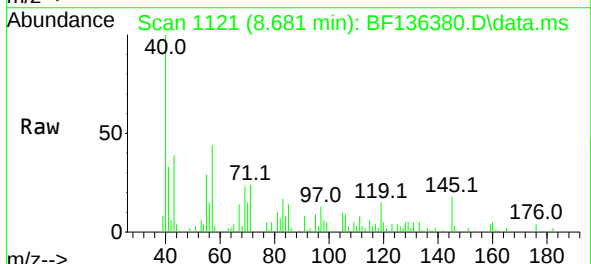
Instrument :
 BNA_F
 ClientSampleId :
 TR-04-112923

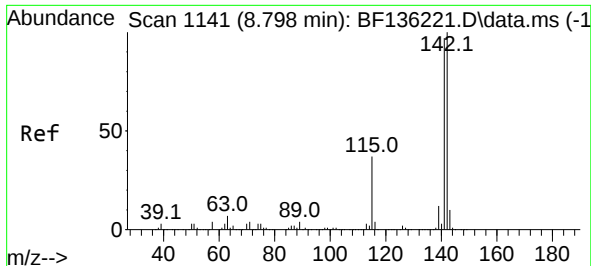
Tgt Ion:113 Resp: 101
 Ion Ratio Lower Upper
 113 100
 55 809.1 143.1 183.1#
 56 230.9 103.6 143.6#



#36
 4-Chloro-3-methylphenol
 Concen: 197.660 ng
 RT: 8.681 min Scan# 1121
 Delta R.T. 0.041 min
 Lab File: BF136380.D
 Acq: 04 Dec 2023 14:14

Tgt Ion:107 Resp: 255
 Ion Ratio Lower Upper
 107 100
 144 0.0 17.8 26.8#
 142 41.1 59.4 89.0#





#37

2-Methylnaphthalene

Concen: 5574.484 ng

RT: 8.786 min Scan# 1117

Delta R.T. -0.006 min

Lab File: BF136380.D

Acq: 04 Dec 2023 14:14

Instrument :

BNA_F

ClientSampleId :

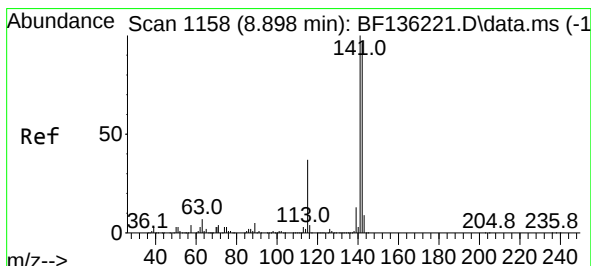
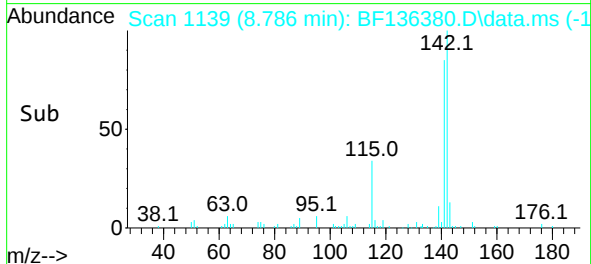
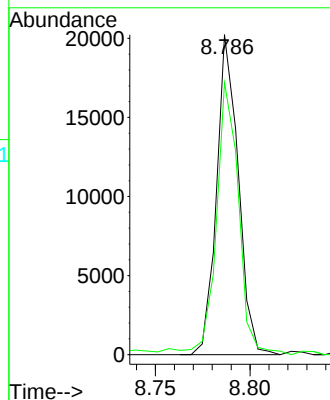
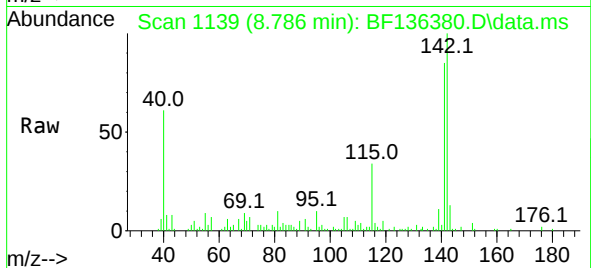
TR-04-112923

Tgt Ion:142 Resp: 16117

Ion Ratio Lower Upper

142 100

141 85.0 77.8 116.8



#38

1-Methylnaphthalene

Concen: 4529.455 ng

RT: 8.886 min Scan# 1156

Delta R.T. -0.006 min

Lab File: BF136380.D

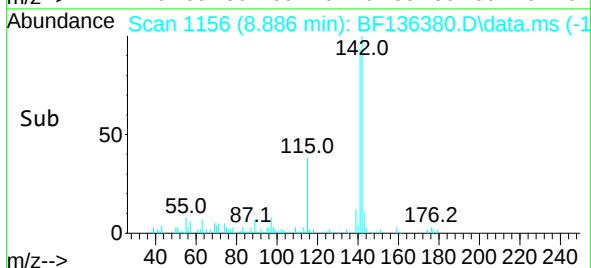
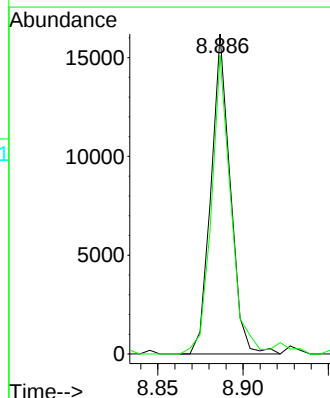
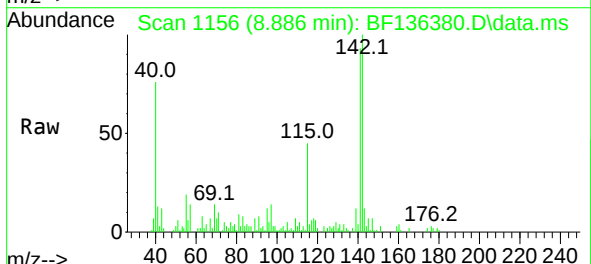
Acq: 04 Dec 2023 14:14

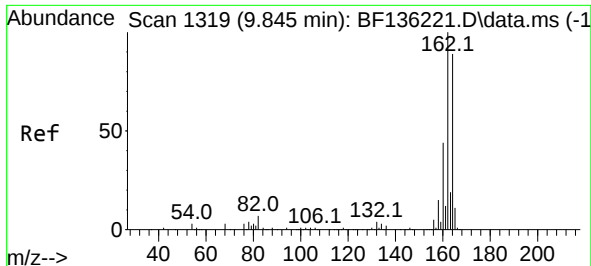
Tgt Ion:142 Resp: 12775

Ion Ratio Lower Upper

142 100

141 93.3 83.8 125.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.869 min Scan# 1

Delta R.T. 0.030 min

Lab File: BF136380.D

Acq: 04 Dec 2023 14:14

Instrument :

BNA_F

ClientSampleId :

TR-04-112923

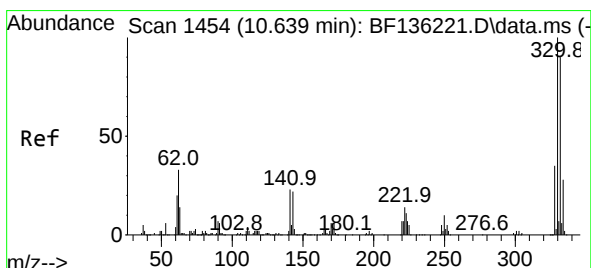
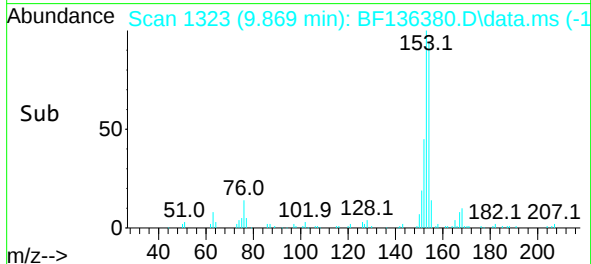
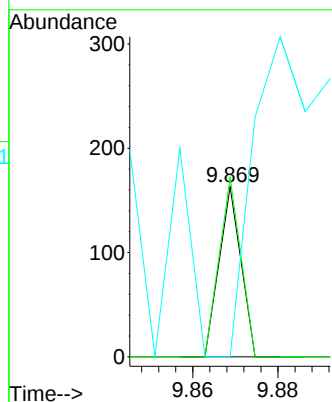
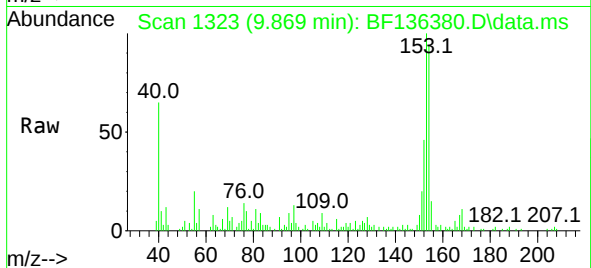
Tgt Ion:164 Resp: 58

Ion Ratio Lower Upper

164 100

162 105.5 89.5 134.3

160 0.0 39.6 59.4#



#42

2,4,6-Tribromophenol

Concen: 417877.136 ng

RT: 10.628 min Scan# 1452

Delta R.T. -0.006 min

Lab File: BF136380.D

Acq: 04 Dec 2023 14:14

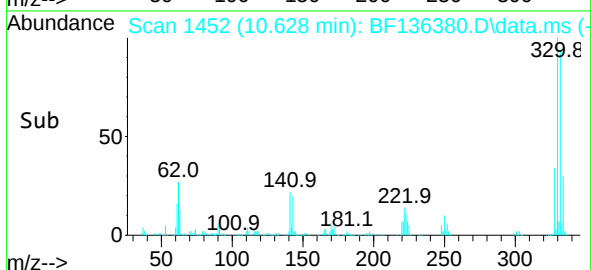
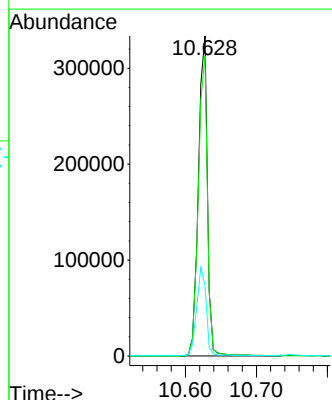
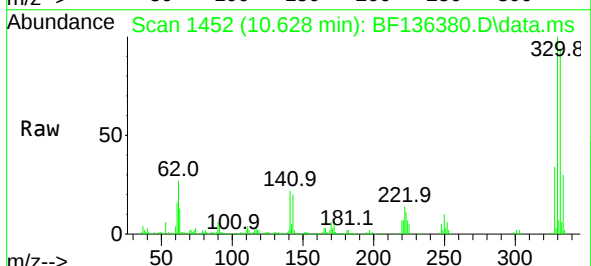
Tgt Ion:330 Resp: 296316

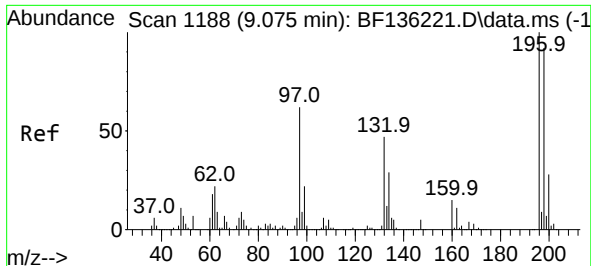
Ion Ratio Lower Upper

330 100

332 94.8 73.0 109.6

141 28.9 24.2 36.2





#43

2,4,6-Trichlorophenol

Concen: 60.930 ng

RT: 9.251 min Scan# 1188

Delta R.T. 0.177 min

Lab File: BF136380.D

Acq: 04 Dec 2023 14:14

Instrument :

BNA_F

ClientSampleId :

TR-04-112923

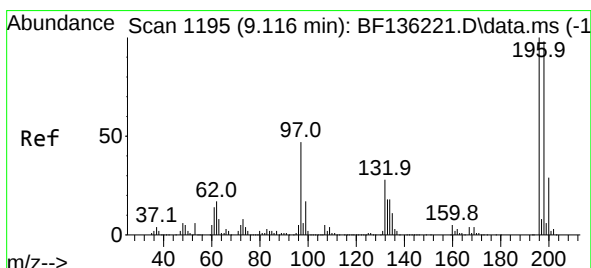
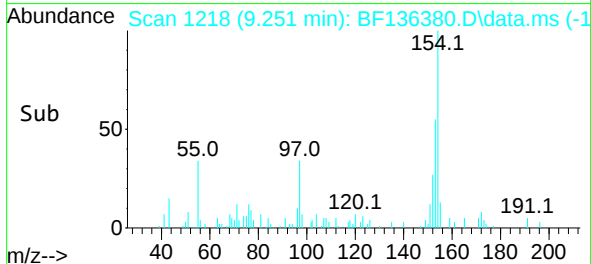
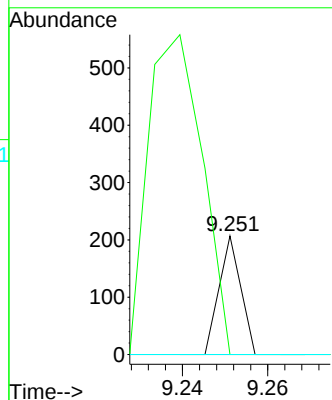
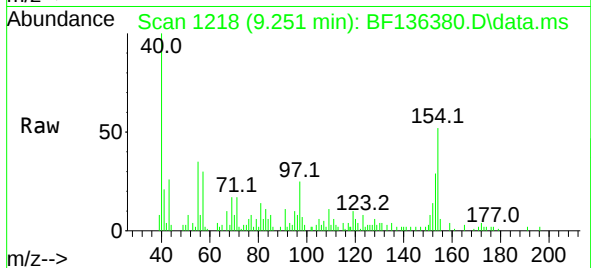
Tgt Ion:196 Resp: 73

Ion Ratio Lower Upper

196 100

198 0.0 73.2 109.8#

200 0.0 22.4 33.6#



#44

2,4,5-Trichlorophenol

Concen: 55.833 ng

RT: 9.251 min Scan# 1218

Delta R.T. 0.135 min

Lab File: BF136380.D

Acq: 04 Dec 2023 14:14

Tgt Ion:196 Resp: 73

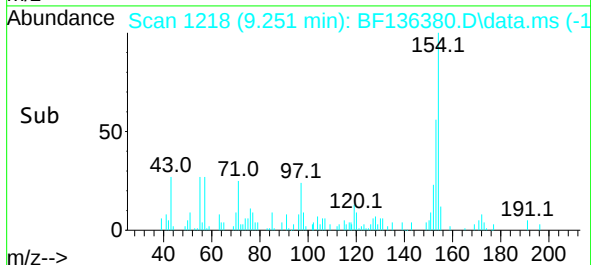
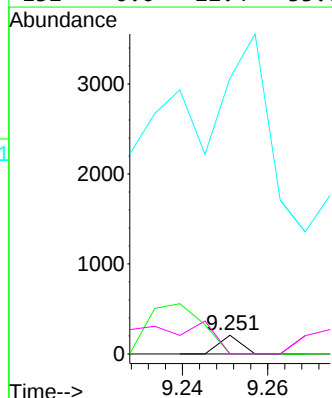
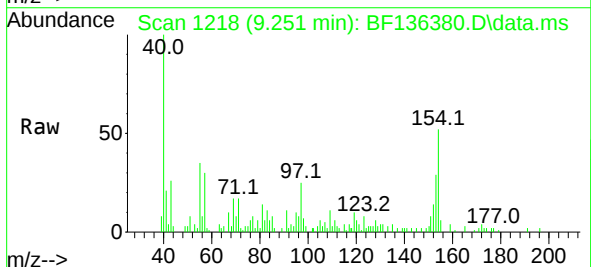
Ion Ratio Lower Upper

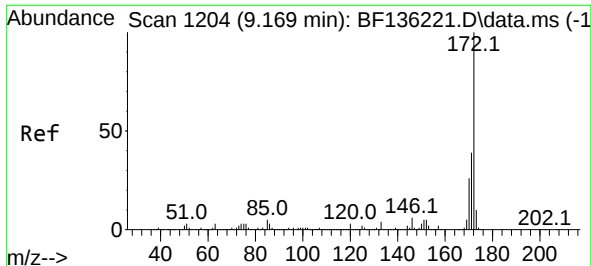
196 100

198 0.0 78.8 118.2#

97 1480.2 37.8 56.8#

132 0.0 22.4 33.6#

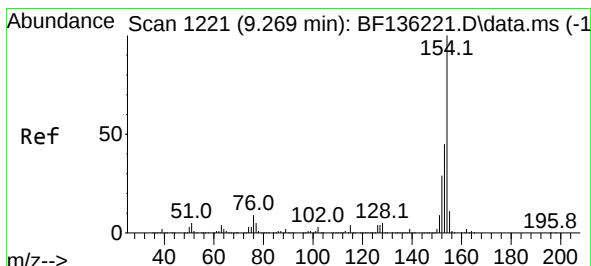
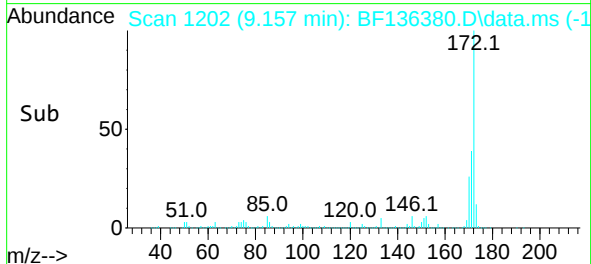
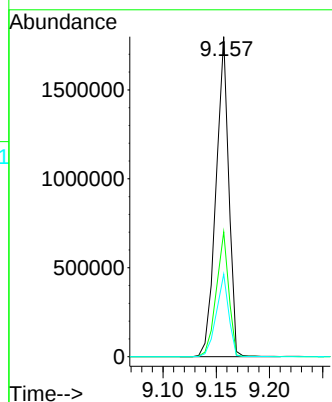
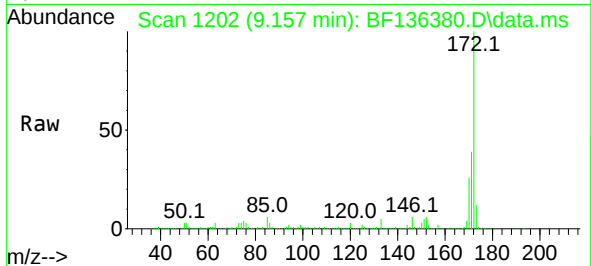




#45
2-Fluorobiphenyl
Concen: 329490.964 ng
RT: 9.157 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136380.D
Acq: 04 Dec 2023 14:14

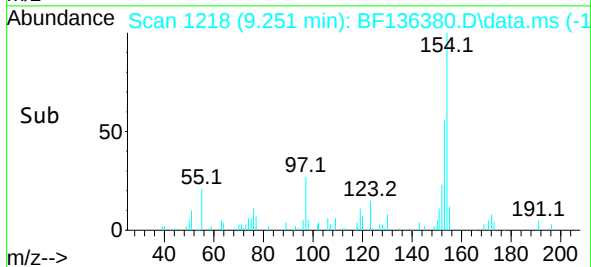
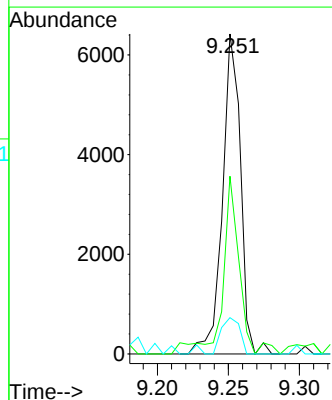
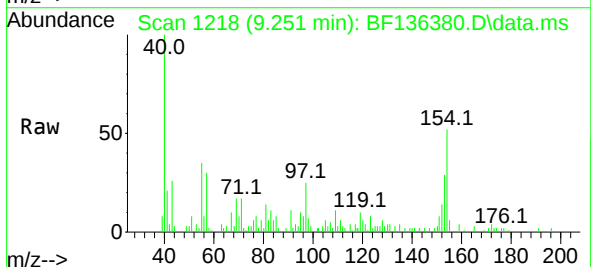
Instrument :
BNA_F
ClientSampleId :
TR-04-112923

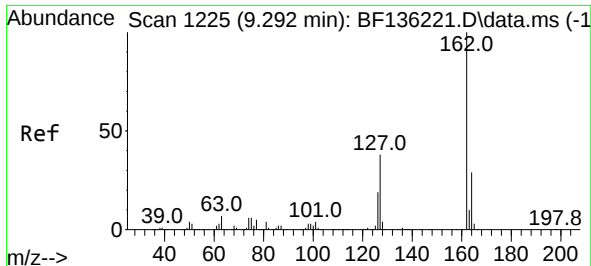
Tgt Ion:172 Resp: 1496157
Ion Ratio Lower Upper
172 100
171 39.0 31.5 47.3
170 25.8 20.8 31.2



#46
1,1'-Biphenyl
Concen: 1108.758 ng
RT: 9.251 min Scan# 1218
Delta R.T. -0.012 min
Lab File: BF136380.D
Acq: 04 Dec 2023 14:14

Tgt Ion:154 Resp: 5671
Ion Ratio Lower Upper
154 100
153 55.6 24.6 64.6
76 11.4 0.0 29.4





#47

2-Chloronaphthalene

Concen: 118.328 ng

RT: 9.322 min Scan# 1225

Delta R.T. 0.035 min

Lab File: BF136380.D

Acq: 04 Dec 2023 14:14

Instrument :

BNA_F

ClientSampleId :

TR-04-112923

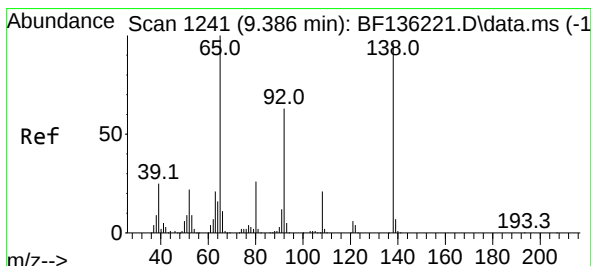
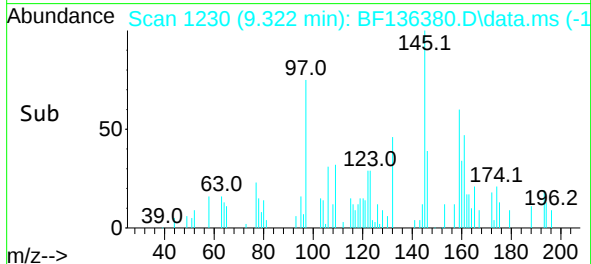
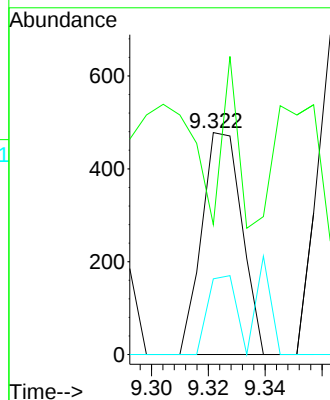
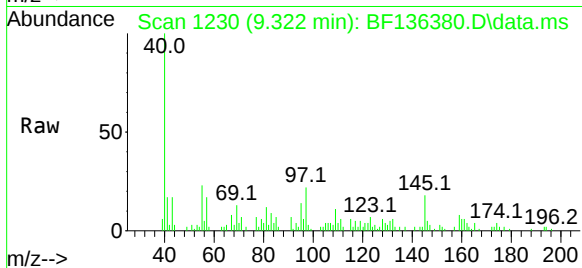
Tgt Ion:162 Resp: 470

Ion Ratio Lower Upper

162 100

127 58.6 30.2 45.2#

164 34.1 22.8 34.2



#48

2-Nitroaniline

Concen: 400.181 ng

RT: 9.422 min Scan# 1247

Delta R.T. 0.035 min

Lab File: BF136380.D

Acq: 04 Dec 2023 14:14

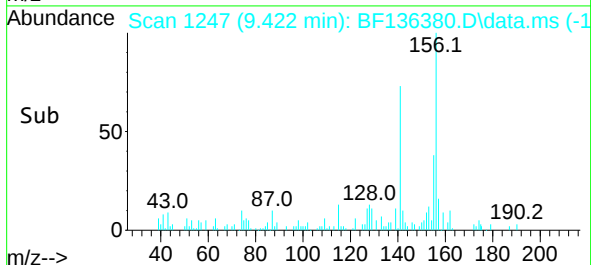
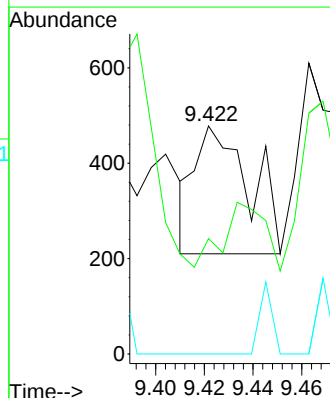
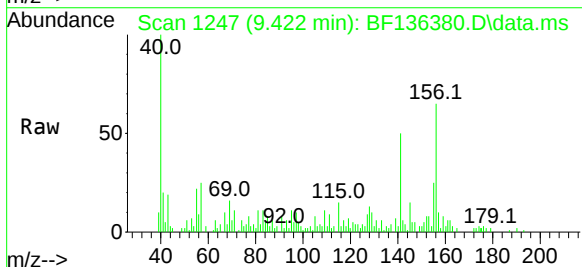
Tgt Ion: 65 Resp: 415

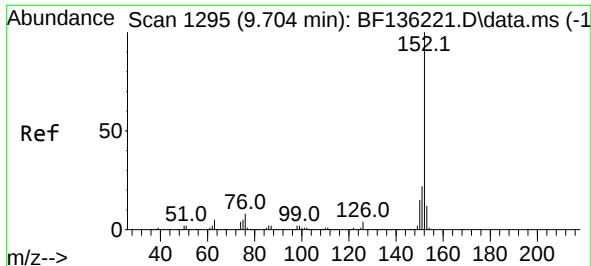
Ion Ratio Lower Upper

65 100

92 50.6 50.6 75.8

138 0.0 76.7 115.1#





#49

Acenaphthylene

Concen: 94.031 ng

RT: 9.739 min Scan# 11

Delta R.T. 0.035 min

Lab File: BF136380.D

Acq: 04 Dec 2023 14:14

Instrument :

BNA_F

ClientSampleId :

TR-04-112923

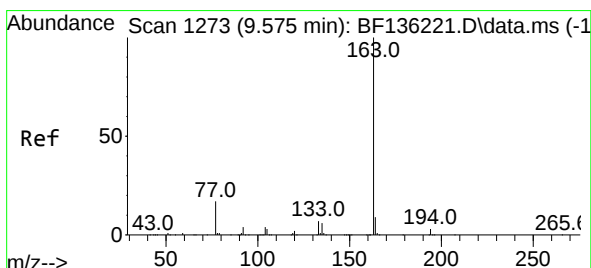
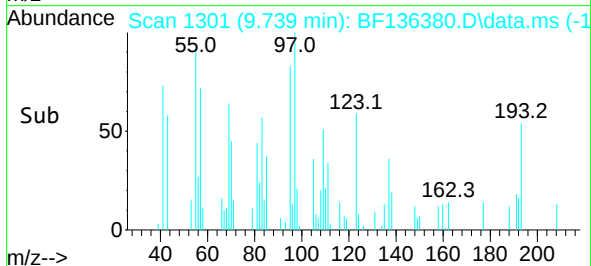
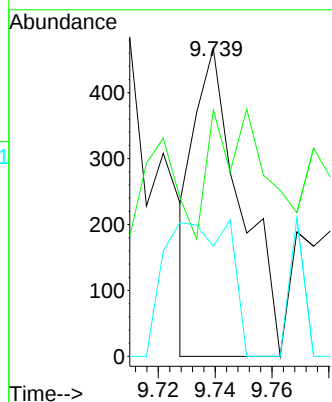
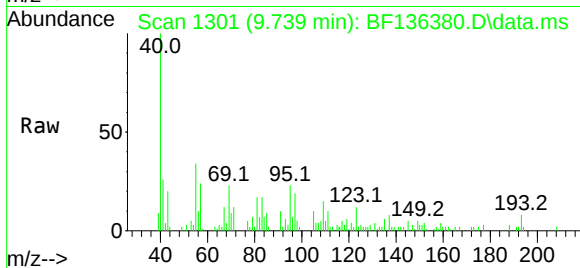
Tgt Ion:152 Resp: 533

Ion Ratio Lower Upper

152 100

151 80.1 17.5 26.3#

153 35.8 9.6 14.4#



#50

Dimethylphthalate

Concen: 113.145 ng

RT: 9.592 min Scan# 1276

Delta R.T. 0.024 min

Lab File: BF136380.D

Acq: 04 Dec 2023 14:14

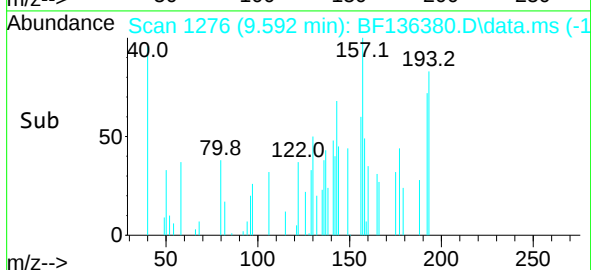
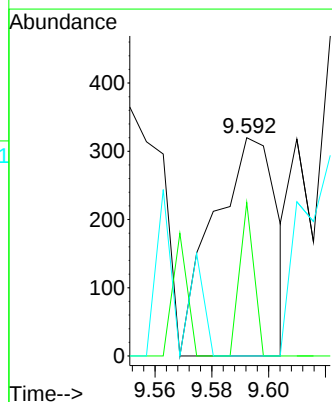
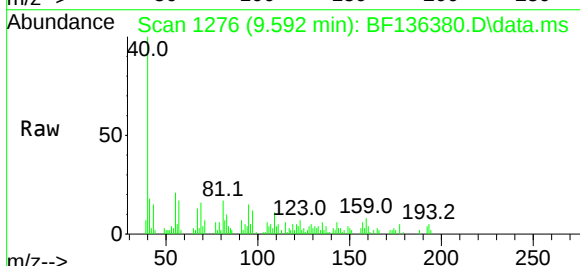
Tgt Ion:163 Resp: 496

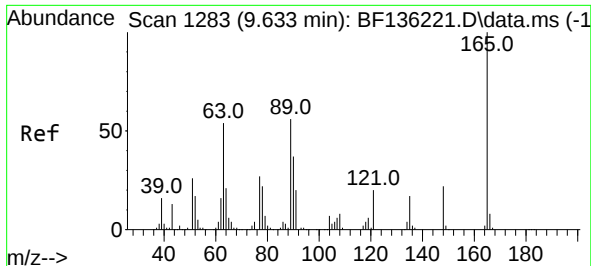
Ion Ratio Lower Upper

163 100

194 70.3 2.5 3.7#

164 0.0 7.0 10.6#





#51

2,6-Dinitrotoluene

Concen: 576.170 ng

RT: 9.669 min Scan# 1283

Delta R.T. 0.041 min

Lab File: BF136380.D

Acq: 04 Dec 2023 14:14

Instrument :

BNA_F

ClientSampleId :

TR-04-112923

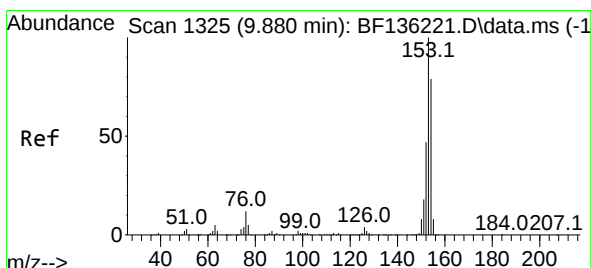
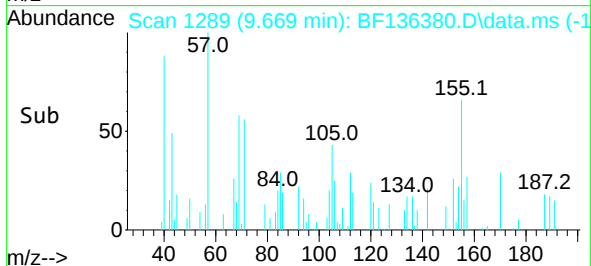
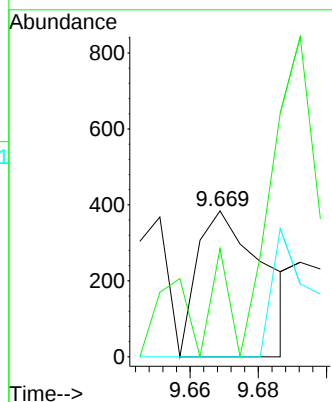
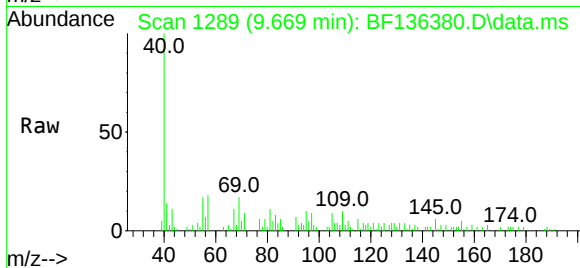
Tgt Ion:165 Resp: 516

Ion Ratio Lower Upper

165 100

63 74.2 46.2 69.2#

89 0.0 44.9 67.3#



#52

Acenaphthene

Concen: 6737.694 ng

RT: 9.863 min Scan# 1322

Delta R.T. -0.012 min

Lab File: BF136380.D

Acq: 04 Dec 2023 14:14

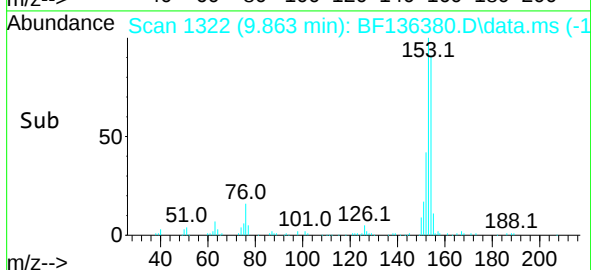
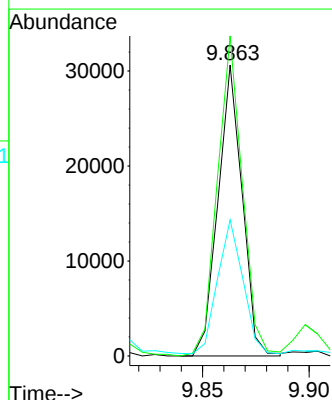
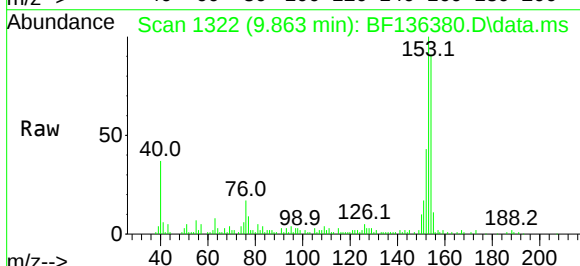
Tgt Ion:154 Resp: 24135

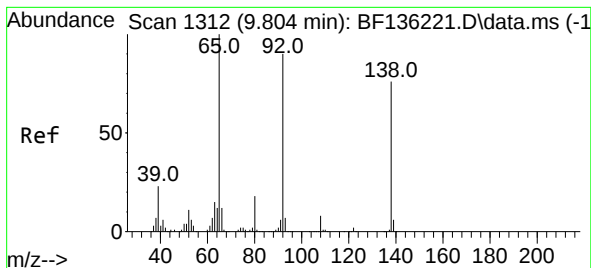
Ion Ratio Lower Upper

154 100

153 110.0 100.8 151.2

152 46.8 47.0 70.6#





#53

3-Nitroaniline

Concen: 479.398 ng

RT: 9.810 min Scan# 11

Delta R.T. 0.012 min

Lab File: BF136380.D

Acq: 04 Dec 2023 14:14

Instrument :

BNA_F

ClientSampleId :

TR-04-112923

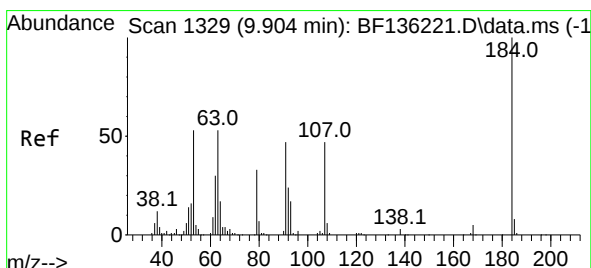
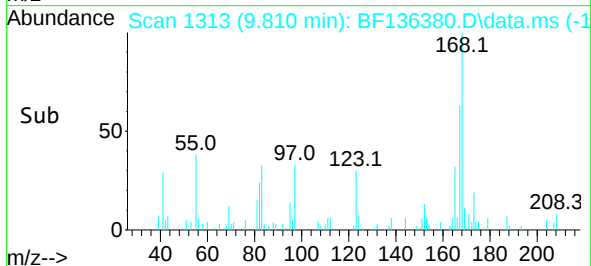
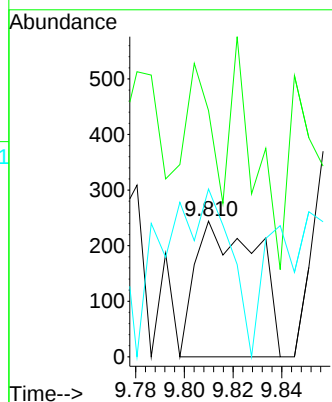
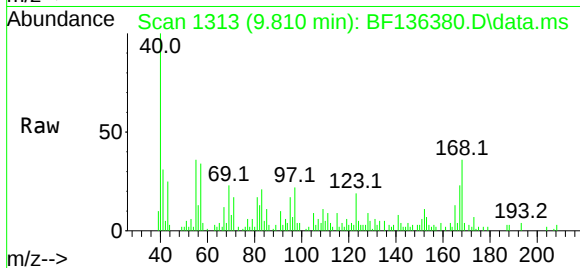
Tgt Ion:138 Resp: 426

Ion Ratio Lower Upper

138 100

108 181.6 8.7 13.1#

92 123.8 94.2 141.4



#54

2,4-Dinitrophenol

Concen: 132.048 ng

RT: 10.128 min Scan# 1367

Delta R.T. 0.224 min

Lab File: BF136380.D

Acq: 04 Dec 2023 14:14

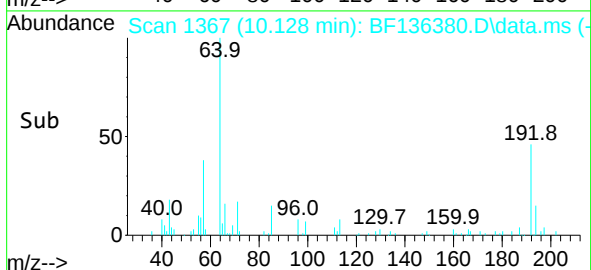
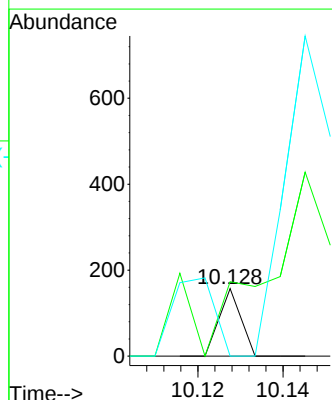
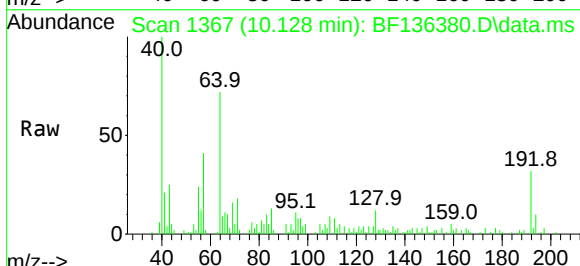
Tgt Ion:184 Resp: 55

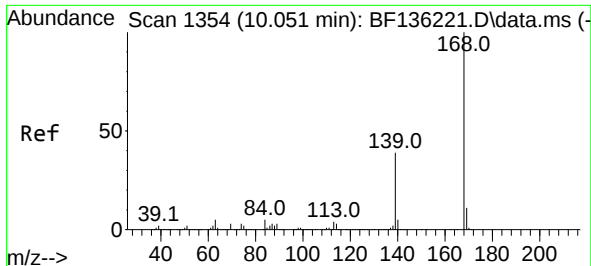
Ion Ratio Lower Upper

184 100

63 110.2 55.0 82.4#

154 0.0 54.9 82.3#

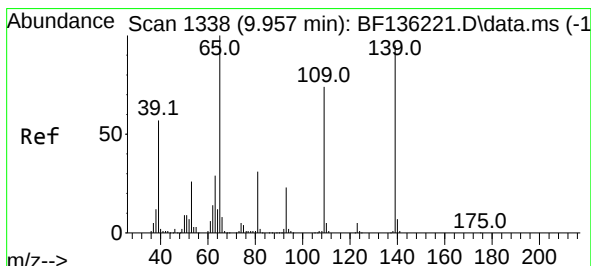
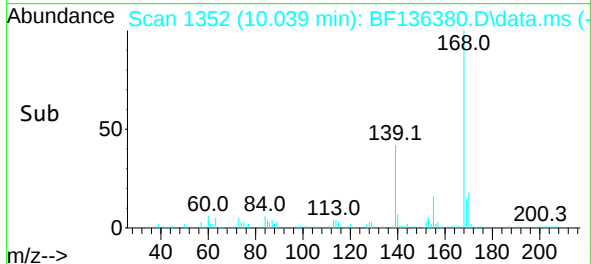
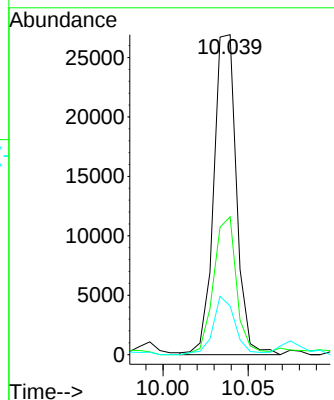
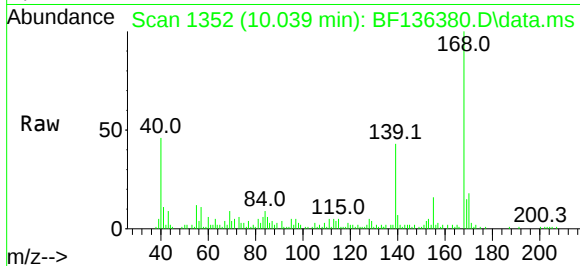




#55
Dibenzofuran
Concen: 4682.488 ng
RT: 10.039 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136380.D
Acq: 04 Dec 2023 14:14

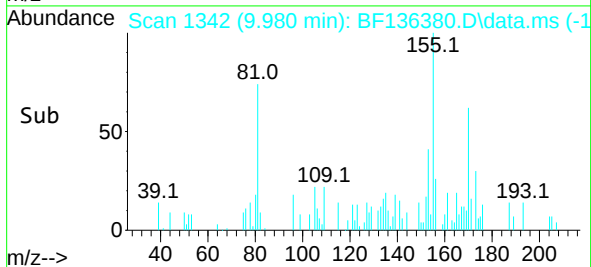
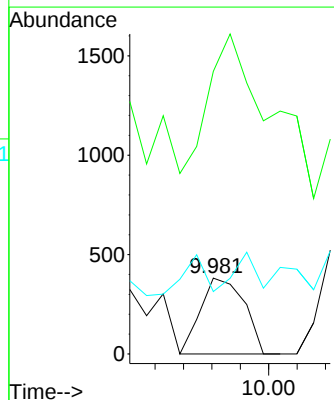
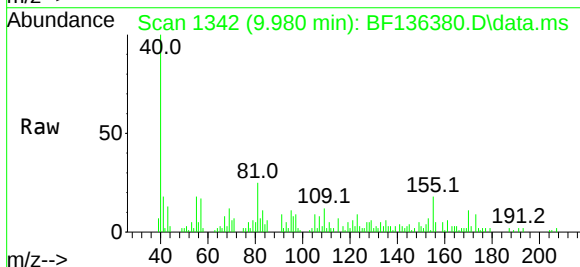
Instrument :
BNA_F
ClientSampleId :
TR-04-112923

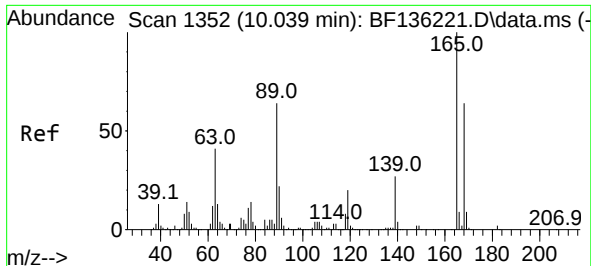
Tgt Ion:168 Resp: 24959
Ion Ratio Lower Upper
168 100
139 43.1 30.9 46.3
169 15.2 9.1 13.7#



#56
4-Nitrophenol
Concen: 604.532 ng
RT: 9.980 min Scan# 1342
Delta R.T. 0.024 min
Lab File: BF136380.D
Acq: 04 Dec 2023 14:14

Tgt Ion:139 Resp: 408
Ion Ratio Lower Upper
139 100
109 372.3 57.8 97.8#
65 82.2 86.0 126.0#

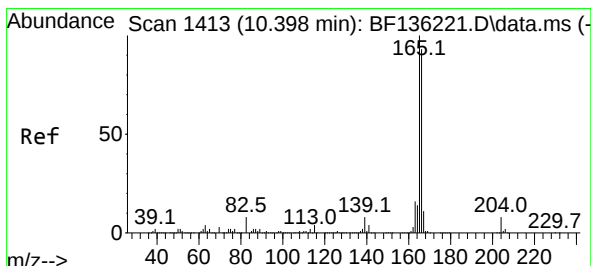
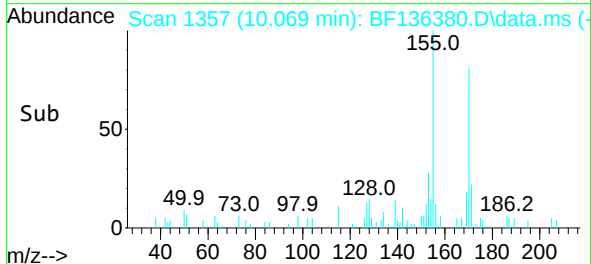
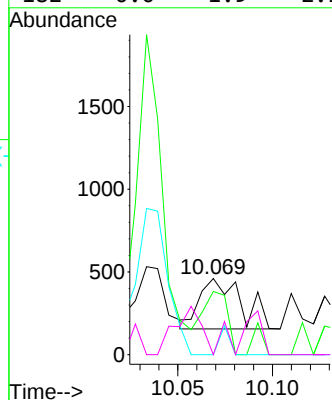
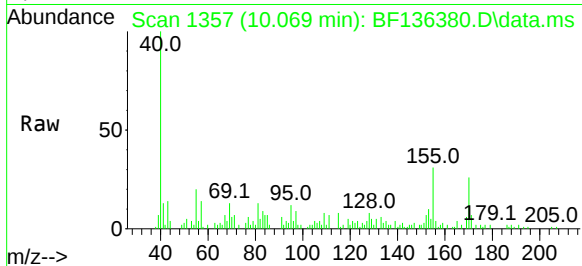




#57
2,4-Dinitrotoluene
Concen: 389.543 ng
RT: 10.069 min Scan# 11
Delta R.T. 0.035 min
Lab File: BF136380.D
Acq: 04 Dec 2023 14:14

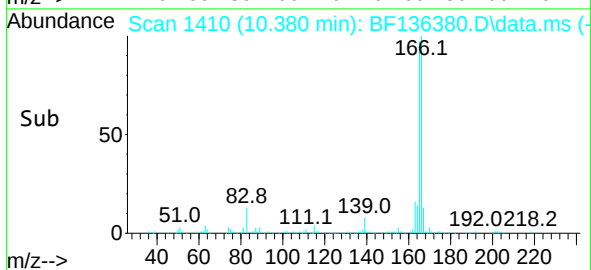
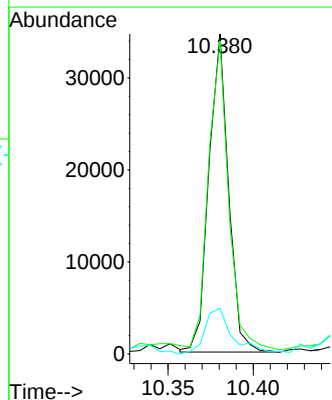
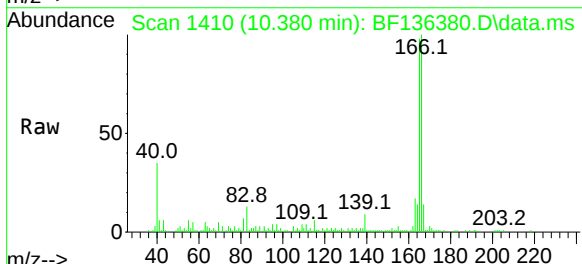
Instrument :
BNA_F
ClientSampleId :
TR-04-112923

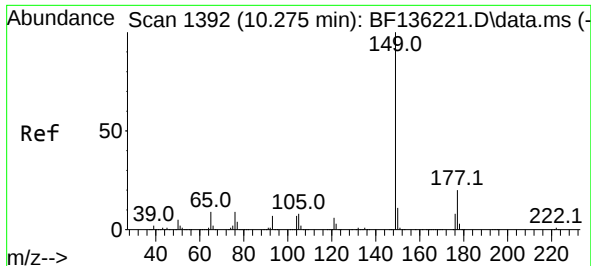
Tgt Ion:165 Resp: 466
Ion Ratio Lower Upper
165 100
63 83.0 33.0 49.4#
89 0.0 51.5 77.3#
182 0.0 1.9 2.9#



#58
Fluorene
Concen: 6621.122 ng
RT: 10.380 min Scan# 1410
Delta R.T. -0.012 min
Lab File: BF136380.D
Acq: 04 Dec 2023 14:14

Tgt Ion:166 Resp: 27683
Ion Ratio Lower Upper
166 100
165 97.9 86.2 129.4
167 14.3 9.1 13.7#

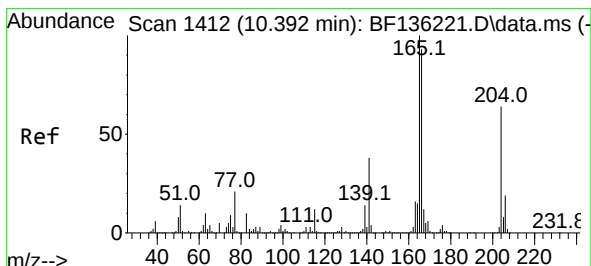
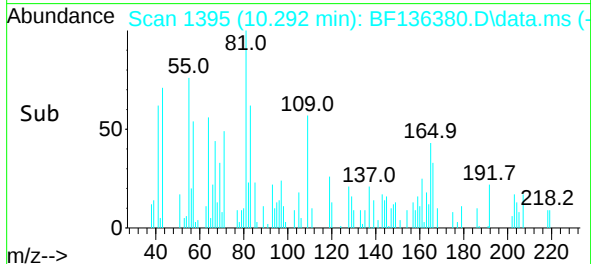
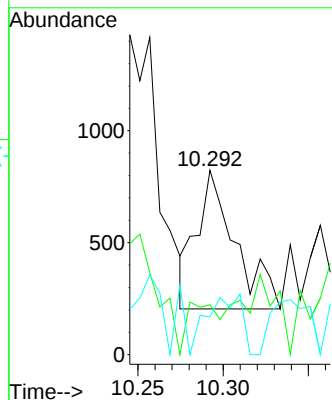
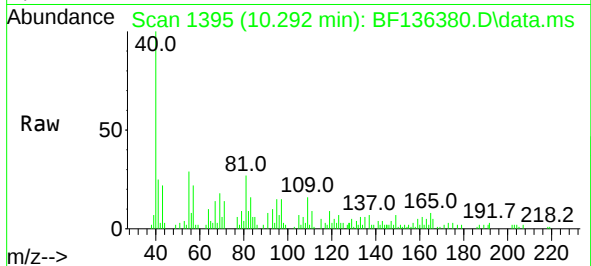




#60
Diethylphthalate
Concen: 222.798 ng
RT: 10.292 min Scan# 11
Delta R.T. 0.024 min
Lab File: BF136380.D
Acq: 04 Dec 2023 14:14

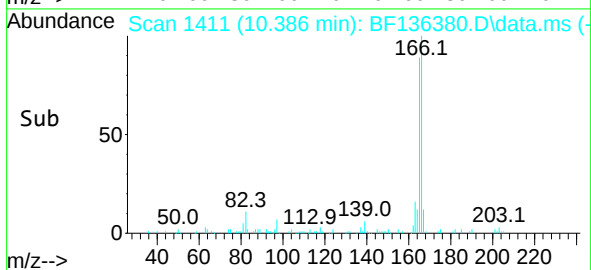
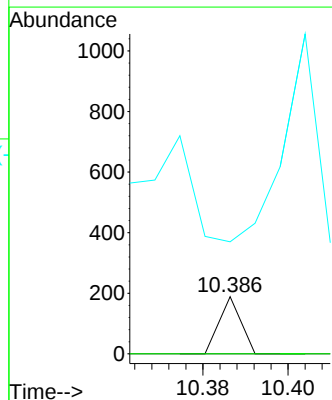
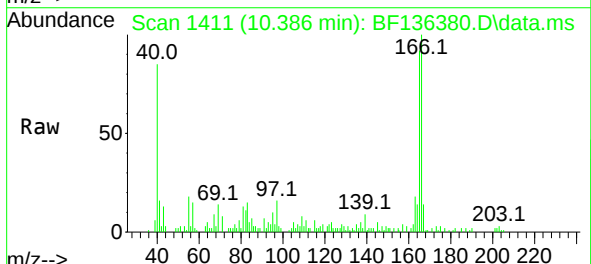
Instrument :
BNA_F
ClientSampleId :
TR-04-112923

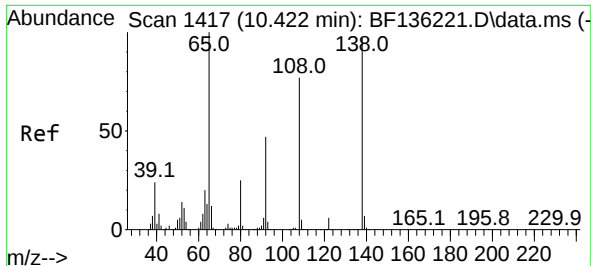
Tgt Ion:149 Resp: 977
Ion Ratio Lower Upper
149 100
177 27.1 15.8 23.6#
150 20.5 8.8 13.2#



#61
4-Chlorophenyl-phenylether
Concen: 32.998 ng
RT: 10.386 min Scan# 1411
Delta R.T. 0.006 min
Lab File: BF136380.D
Acq: 04 Dec 2023 14:14

Tgt Ion:204 Resp: 67
Ion Ratio Lower Upper
204 100
206 0.0 23.4 35.0#
141 195.8 47.6 71.4#

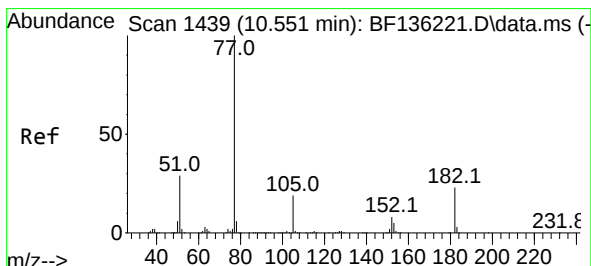
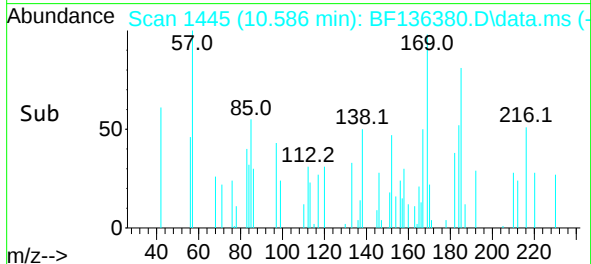
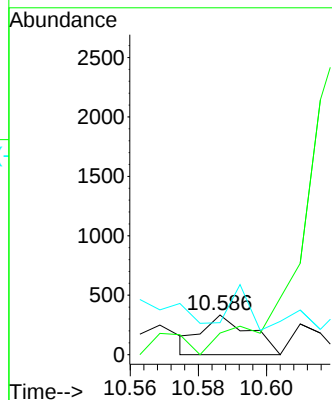
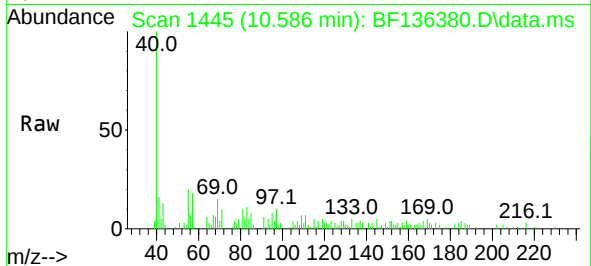




#62
4-Nitroaniline
Concen: 370.194 ng
RT: 10.586 min Scan# 1417
Delta R.T. 0.171 min
Lab File: BF136380.D
Acq: 04 Dec 2023 14:14

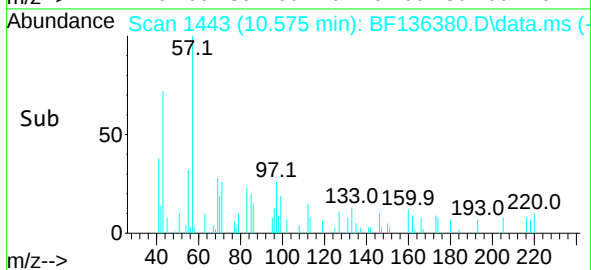
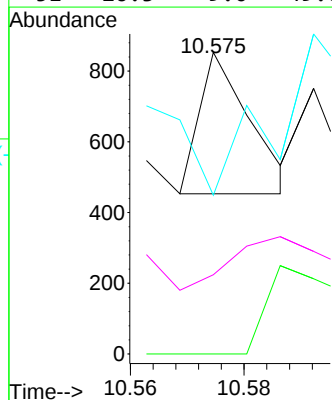
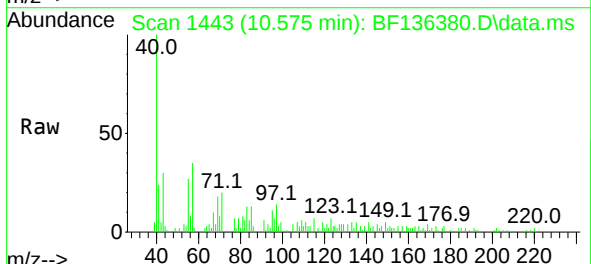
Instrument :
BNA_F
ClientSampleId :
TR-04-112923

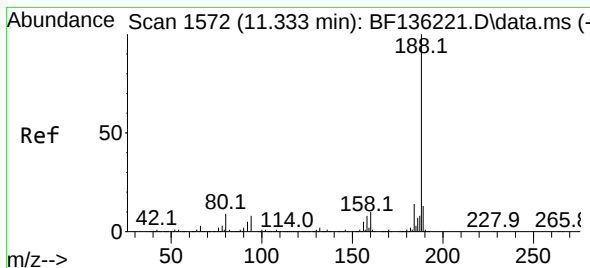
Tgt Ion:138 Resp: 322
Ion Ratio Lower Upper
138 100
92 54.4 28.5 68.5
108 80.8 59.8 99.8



#63
Azobenzene
Concen: 61.003 ng
RT: 10.575 min Scan# 1443
Delta R.T. 0.030 min
Lab File: BF136380.D
Acq: 04 Dec 2023 14:14

Tgt Ion: 77 Resp: 248
Ion Ratio Lower Upper
77 100
182 0.0 3.3 43.3#
105 52.6 0.0 39.5#
51 26.3 9.0 49.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.345 min Scan# 1

Delta R.T. 0.018 min

Lab File: BF136380.D

Acq: 04 Dec 2023 14:14

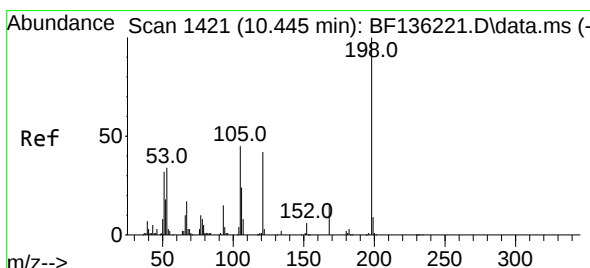
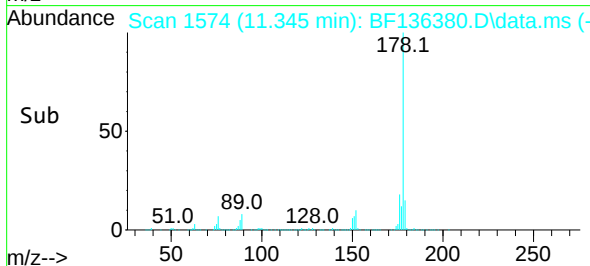
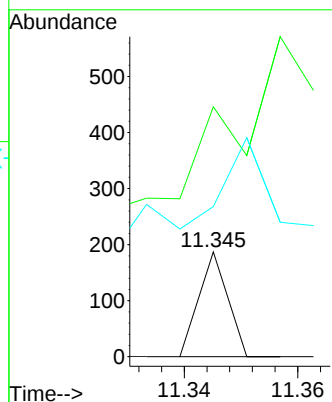
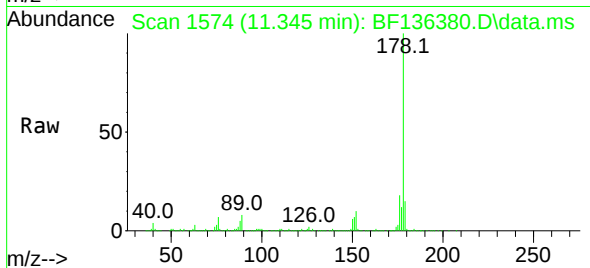
Instrument :

BNA_F

ClientSampleId :

TR-04-112923

Tgt Ion:188	Resp:	66
Ion Ratio	Lower	Upper
188	100	
94	238.5	6.7 10.1#
80	143.3	7.2 10.8#



#65

4,6-Dinitro-2-methylphenol

Concen: 1302.229 ng

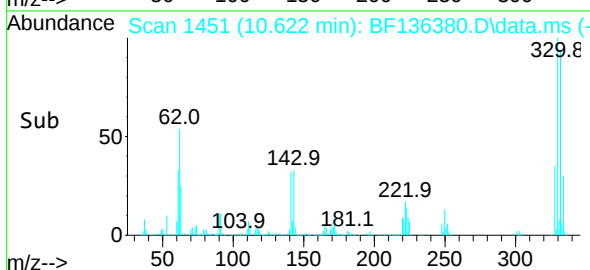
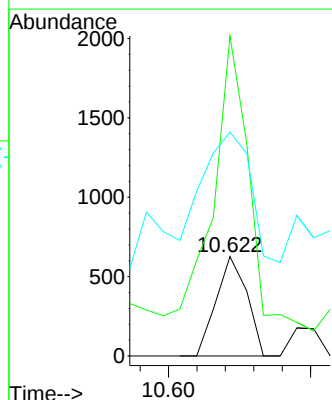
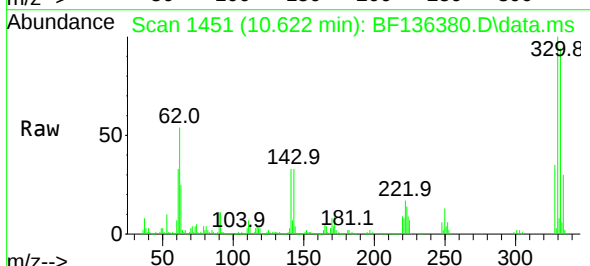
RT: 10.622 min Scan# 1451

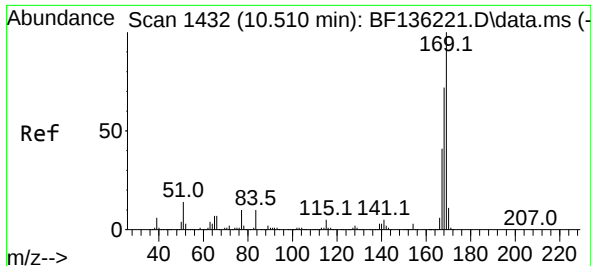
Delta R.T. 0.177 min

Lab File: BF136380.D

Acq: 04 Dec 2023 14:14

Tgt Ion:198	Resp:	470
Ion Ratio	Lower	Upper
198	100	
51	322.0	28.2 68.2#
105	225.2	25.7 65.7#

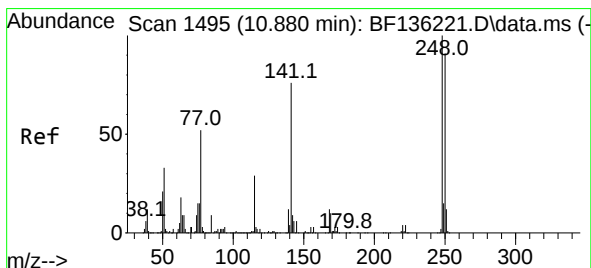
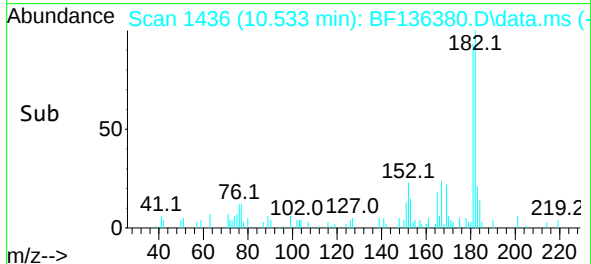
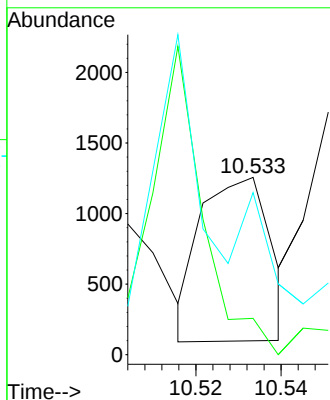
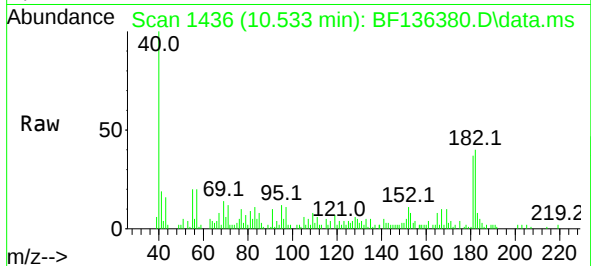




#66
n-Nitrosodiphenylamine
Concen: 625.513 ng
RT: 10.533 min Scan# 1436
Delta R.T. 0.030 min
Lab File: BF136380.D
Acq: 04 Dec 2023 14:14

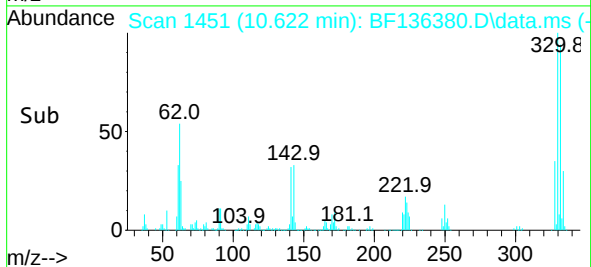
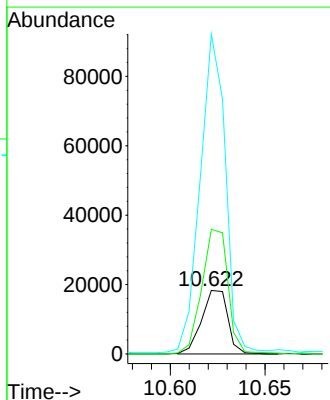
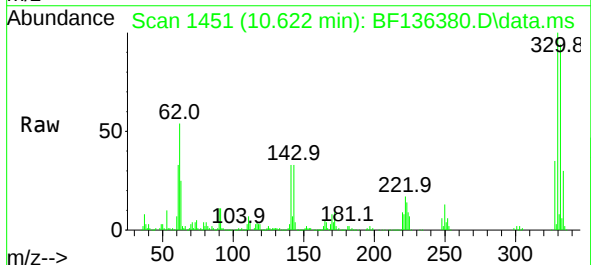
Instrument :
BNA_F
ClientSampleId :
TR-04-112923

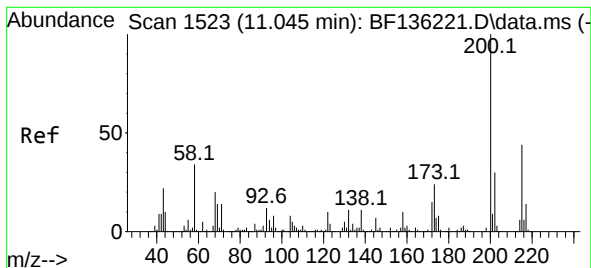
Tgt Ion:169 Resp: 1323
Ion Ratio Lower Upper
169 100
168 20.5 57.8 86.6#
167 91.5 32.7 49.1#



#67
4-Bromophenyl-phenylether
Concen: 22888.475 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.253 min
Lab File: BF136380.D
Acq: 04 Dec 2023 14:14

Tgt Ion:248 Resp: 17624
Ion Ratio Lower Upper
248 100
250 196.3 72.5 108.7#
141 504.1 60.8 91.2#





#69

Atrazine

Concen: 148.225 ng

RT: 11.045 min Scan# 11

Delta R.T. 0.012 min

Lab File: BF136380.D

Acq: 04 Dec 2023 14:14

Instrument :

BNA_F

ClientSampleId :

TR-04-112923

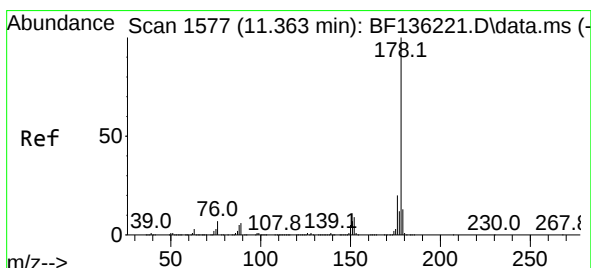
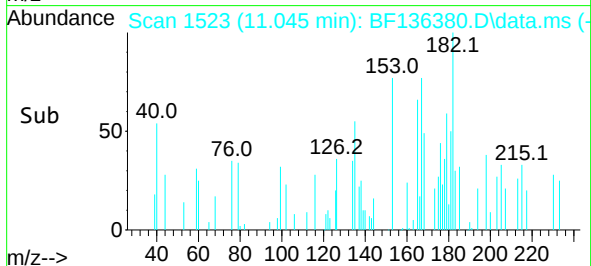
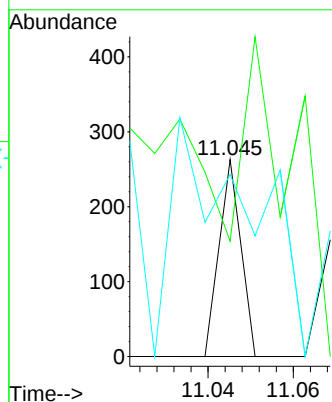
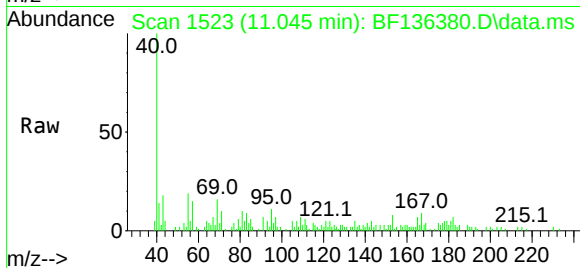
Tgt Ion:200 Resp: 93

Ion Ratio Lower Upper

200 100

173 58.6 4.3 44.3#

215 92.4 23.8 63.8#



#71

Phenanthrene

Concen: 67879.816 ng

RT: 11.345 min Scan# 1574

Delta R.T. -0.012 min

Lab File: BF136380.D

Acq: 04 Dec 2023 14:14

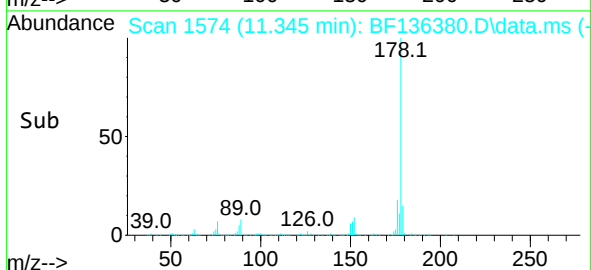
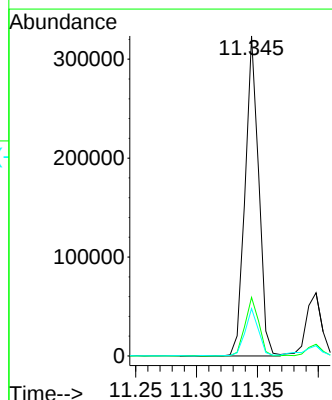
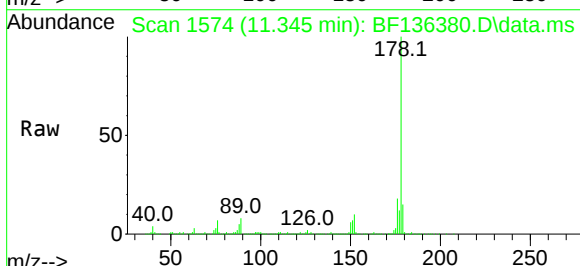
Tgt Ion:178 Resp: 251800

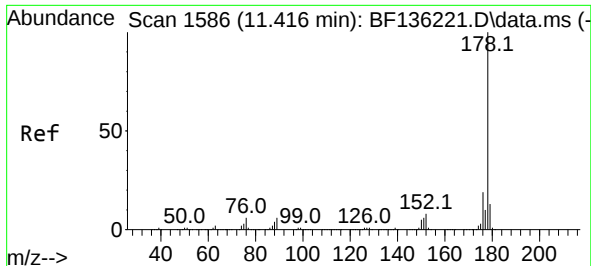
Ion Ratio Lower Upper

178 100

176 18.3 16.2 24.2

179 14.8 10.3 15.5

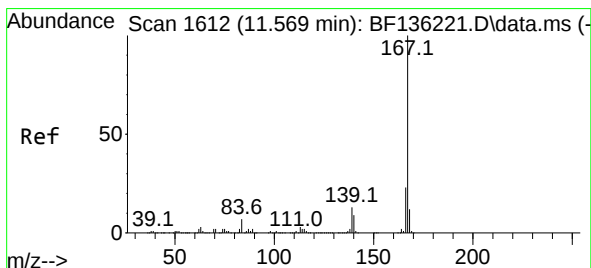
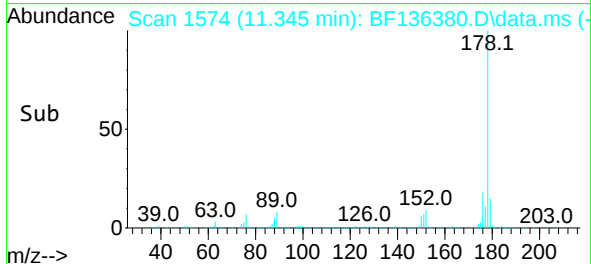
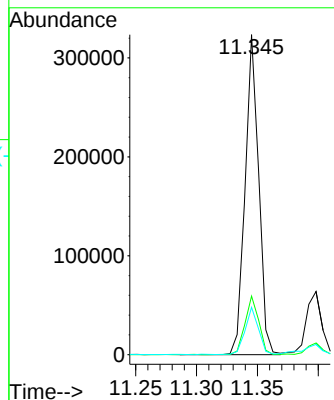
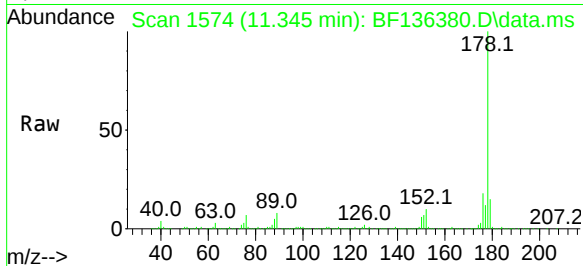




#72
 Anthracene
 Concen: 67688.695 ng
 RT: 11.345 min Scan# 11
 Delta R.T. -0.065 min
 Lab File: BF136380.D
 Acq: 04 Dec 2023 14:14

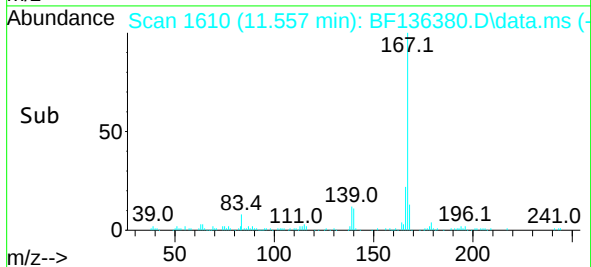
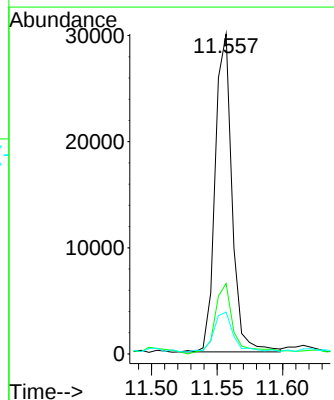
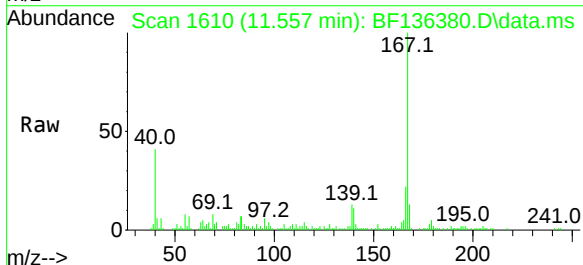
Instrument :
 BNA_F
 ClientSampleId :
 TR-04-112923

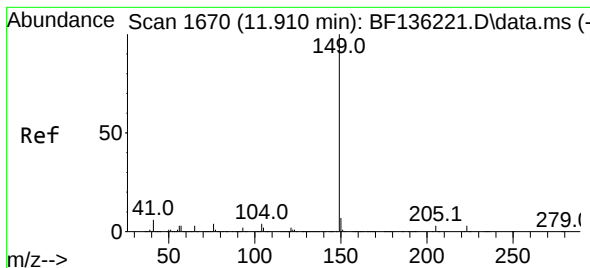
Tgt Ion:178 Resp: 251800
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.5 23.3
 179 14.8 10.5 15.7



#73
 Carbazole
 Concen: 8470.356 ng
 RT: 11.557 min Scan# 1610
 Delta R.T. -0.006 min
 Lab File: BF136380.D
 Acq: 04 Dec 2023 14:14

Tgt Ion:167 Resp: 26799
 Ion Ratio Lower Upper
 167 100
 166 22.0 18.4 27.6
 139 13.1 10.5 15.7





#74

Di-n-butylphthalate

Concen: 90.687 ng

RT: 11.939 min Scan# 1

Delta R.T. 0.041 min

Lab File: BF136380.D

Acq: 04 Dec 2023 14:14

Instrument :

BNA_F

ClientSampleId :

TR-04-112923

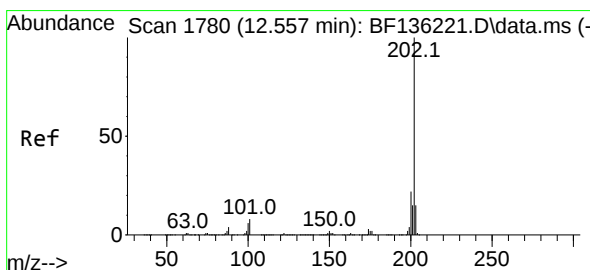
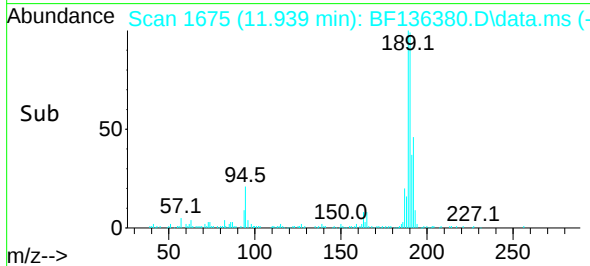
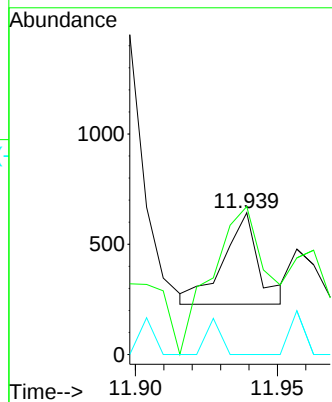
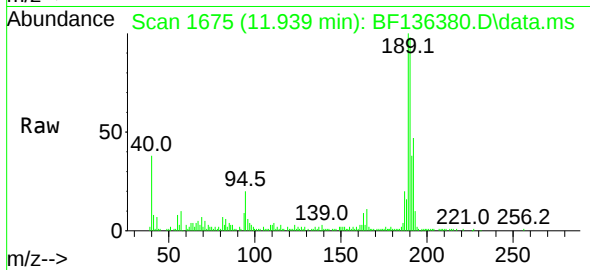
Tgt Ion:149 Resp: 359

Ion Ratio Lower Upper

149 100

150 104.4 6.0 9.0#

104 0.0 3.5 5.3#



#75

Fluoranthene

Concen: 85816.180 ng

RT: 12.545 min Scan# 1778

Delta R.T. 0.000 min

Lab File: BF136380.D

Acq: 04 Dec 2023 14:14

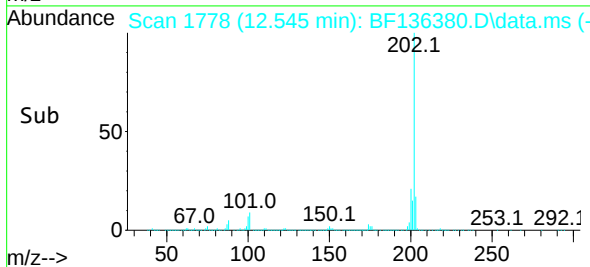
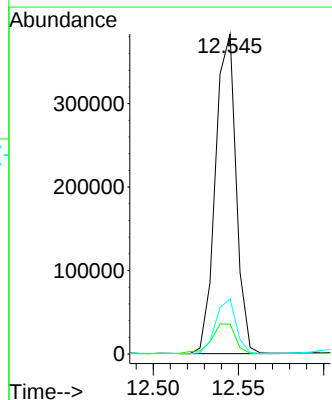
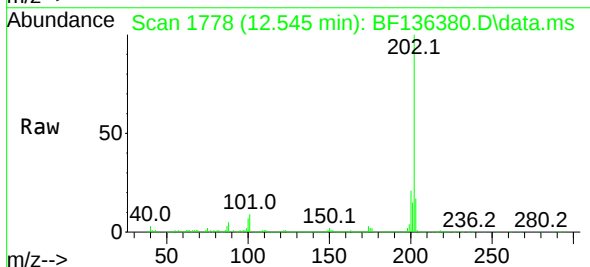
Tgt Ion:202 Resp: 323164

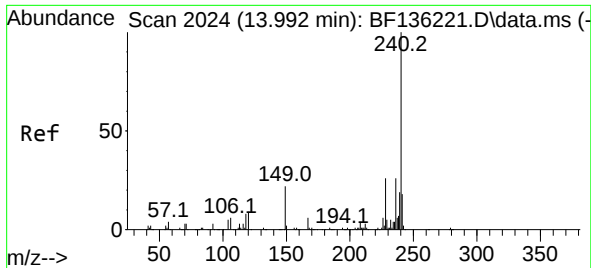
Ion Ratio Lower Upper

202 100

101 9.3 0.0 27.8

203 17.2 0.0 34.5

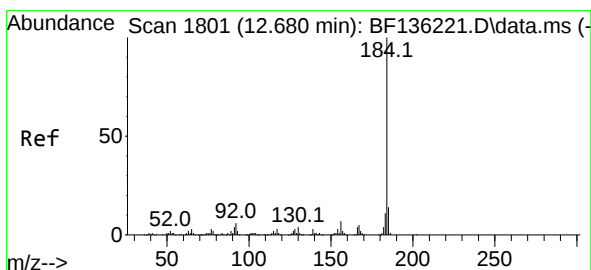
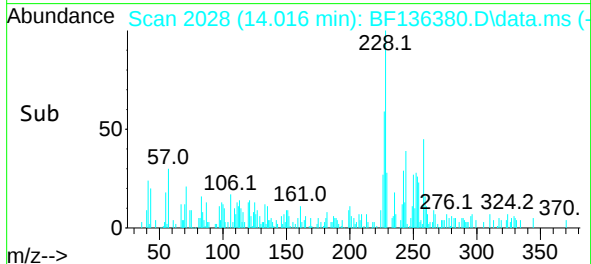
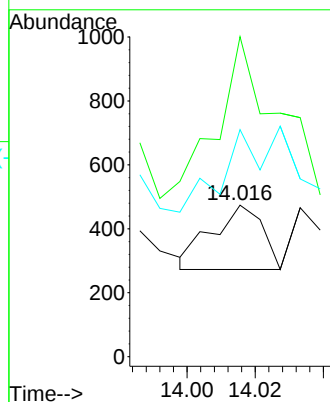
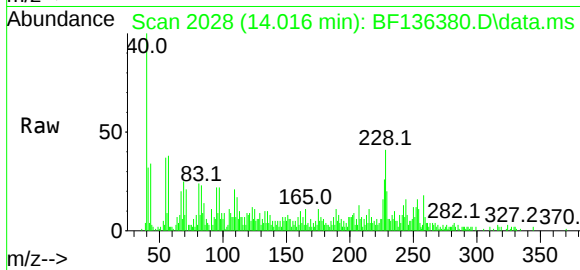




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.016 min Scan# 20
Delta R.T. 0.035 min
Lab File: BF136380.D
Acq: 04 Dec 2023 14:14

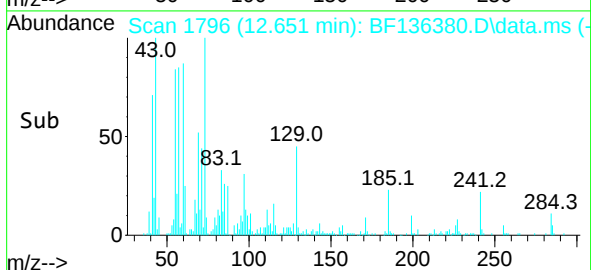
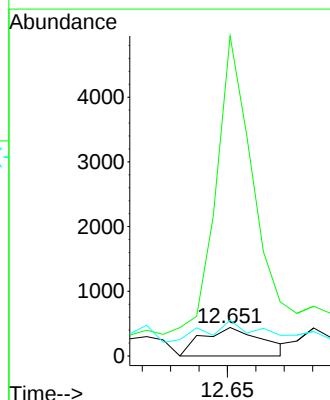
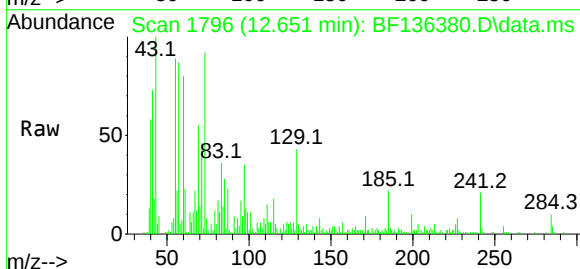
Instrument :
BNA_F
ClientSampleId :
TR-04-112923

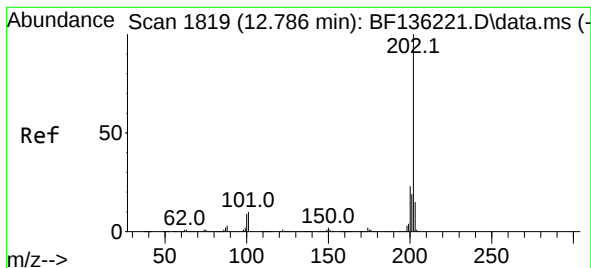
Tgt Ion:240 Resp: 206
Ion Ratio Lower Upper
240 100
120 211.2 7.4 11.2#
236 149.8 21.1 31.7#



#77
Benzidine
Concen: 191.360 ng
RT: 12.651 min Scan# 1796
Delta R.T. -0.017 min
Lab File: BF136380.D
Acq: 04 Dec 2023 14:14

Tgt Ion:184 Resp: 648
Ion Ratio Lower Upper
184 100
185 1121.5 11.0 16.6#
183 124.9 9.0 13.4#





#78

Pyrene

Concen: 14331.940 ng

RT: 12.545 min Scan# 1

Delta R.T. -0.229 min

Lab File: BF136380.D

Acq: 04 Dec 2023 14:14

Instrument :

BNA_F

ClientSampleId :

TR-04-112923

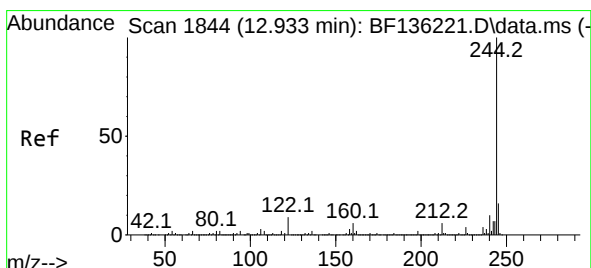
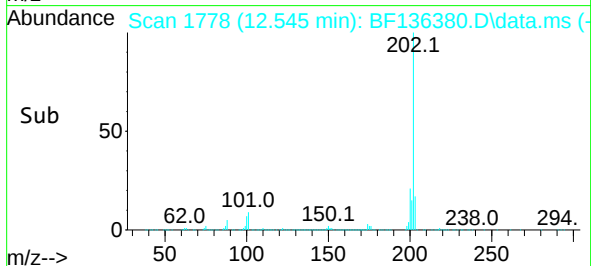
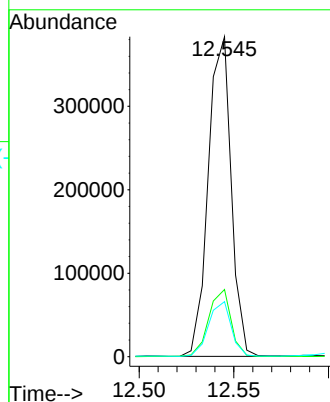
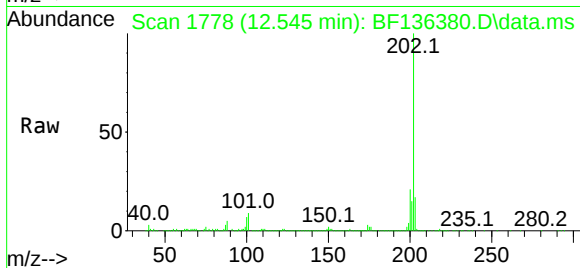
Tgt Ion:202 Resp: 323337

Ion Ratio Lower Upper

202 100

200 21.0 18.4 27.6

203 17.2 11.8 17.6



#79

Terphenyl-d14

Concen: 70123.311 ng

RT: 12.921 min Scan# 1842

Delta R.T. -0.006 min

Lab File: BF136380.D

Acq: 04 Dec 2023 14:14

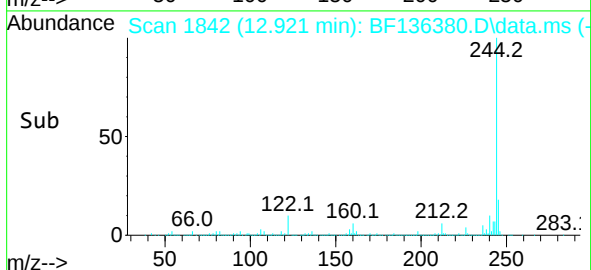
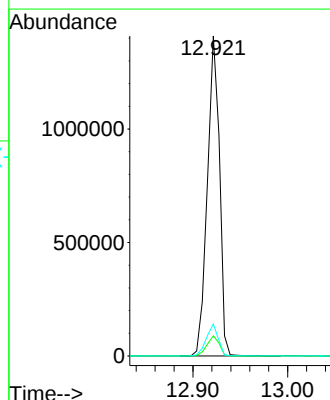
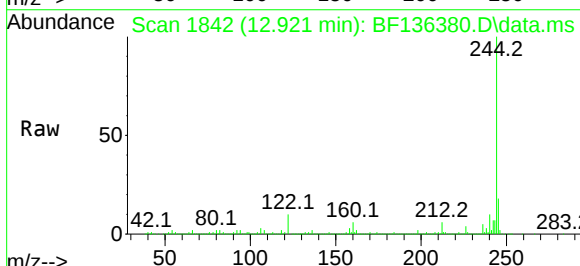
Tgt Ion:244 Resp: 1252323

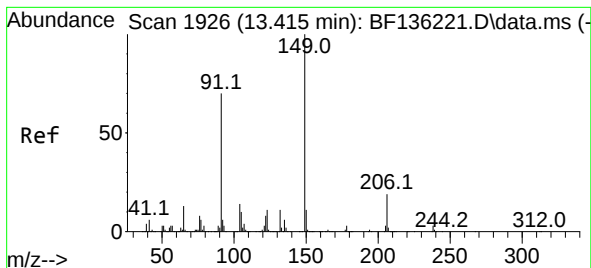
Ion Ratio Lower Upper

244 100

212 6.3 4.6 7.0

122 10.0 7.3 10.9





#80

Butylbenzylphthalate

Concen: 46.999 ng

RT: 13.427 min Scan# 1926

Delta R.T. 0.024 min

Lab File: BF136380.D

Acq: 04 Dec 2023 14:14

Instrument :

BNA_F

ClientSampleId :

TR-04-112923

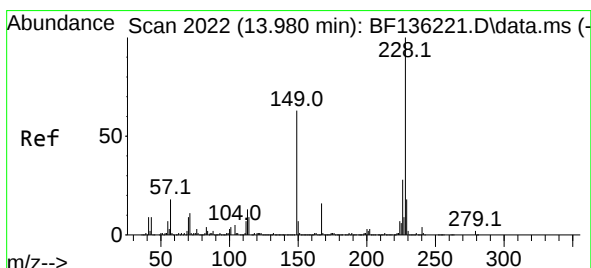
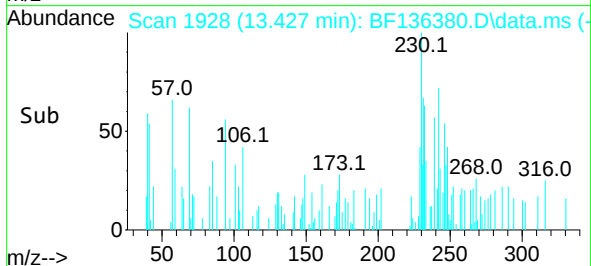
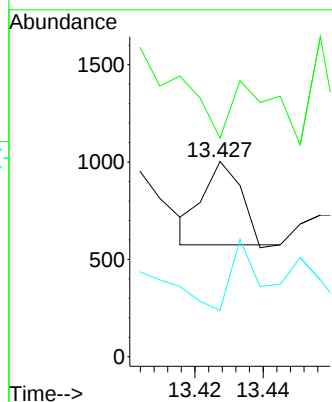
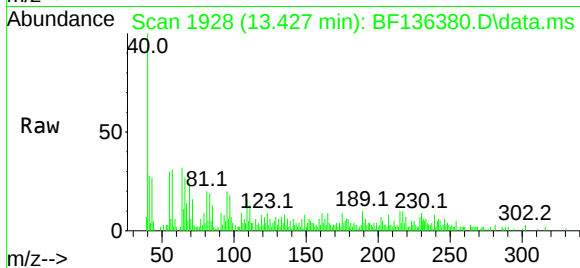
Tgt Ion:149 Resp: 330

Ion Ratio Lower Upper

149 100

91 112.0 56.4 84.6#

206 23.7 14.8 22.2#



#81

Benzo(a)anthracene

Concen: 9183.763 ng

RT: 13.998 min Scan# 2025

Delta R.T. 0.030 min

Lab File: BF136380.D

Acq: 04 Dec 2023 14:14

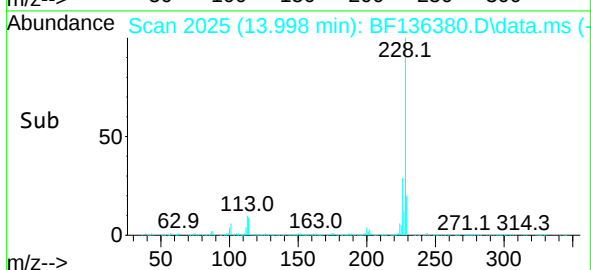
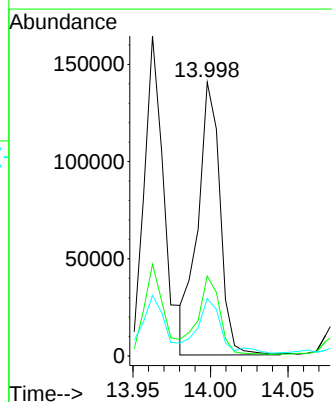
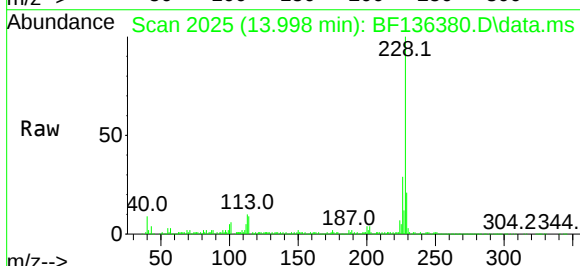
Tgt Ion:228 Resp: 140521

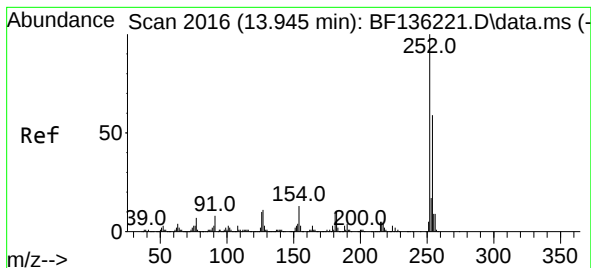
Ion Ratio Lower Upper

228 100

226 29.2 22.6 34.0

229 21.0 14.0 21.0





#82

3,3'-Dichlorobenzidine

Concen: 112.403 ng

RT: 13.963 min Scan# 2019

Delta R.T. 0.024 min

Lab File: BF136380.D

Acq: 04 Dec 2023 14:14

Instrument :

BNA_F

ClientSampleId :

TR-04-112923

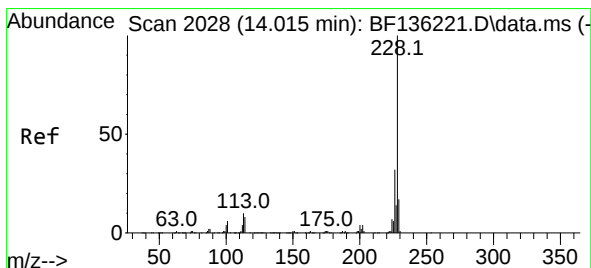
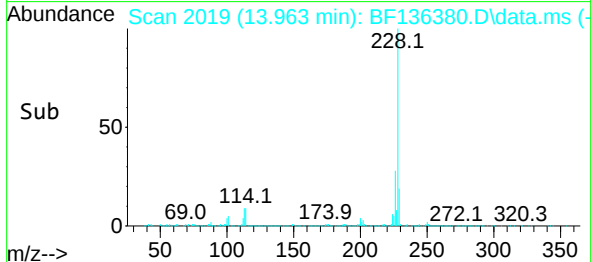
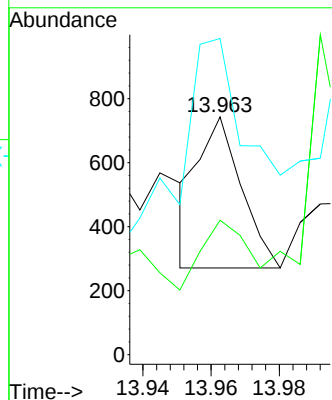
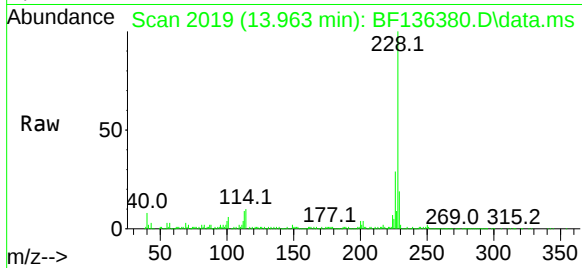
Tgt Ion:252 Resp: 414

Ion Ratio Lower Upper

252 100

254 56.5 47.4 71.2

126 133.0 8.3 12.5#



#83

Chrysene

Concen: 10097.772 ng

RT: 13.963 min Scan# 2019

Delta R.T. -0.047 min

Lab File: BF136380.D

Acq: 04 Dec 2023 14:14

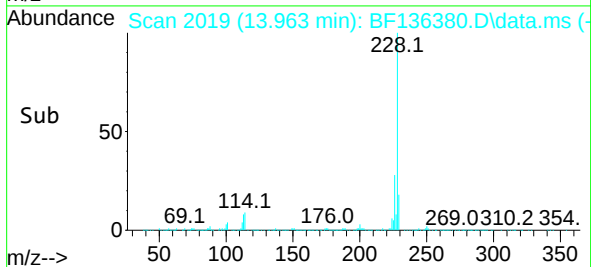
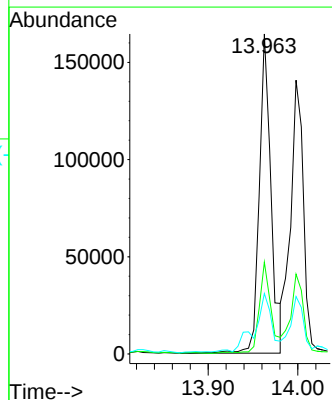
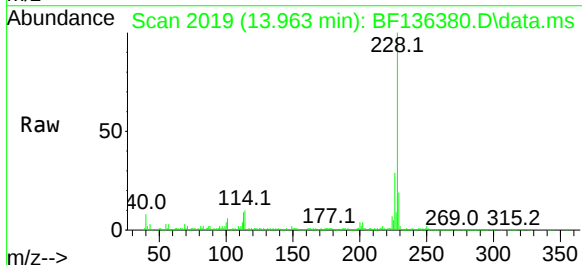
Tgt Ion:228 Resp: 149182

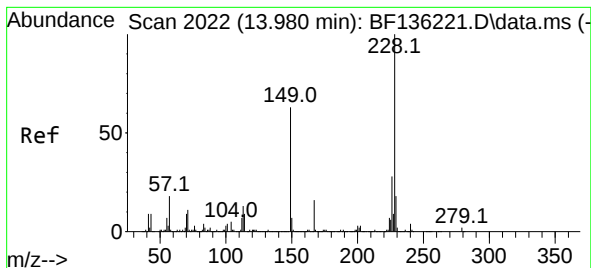
Ion Ratio Lower Upper

228 100

226 28.7 25.5 38.3

229 18.9 13.9 20.9





#84

Bis(2-ethylhexyl)phthalate

Concen: 86.394 ng

RT: 13.992 min Scan# 2022

Delta R.T. 0.024 min

Lab File: BF136380.D

Acq: 04 Dec 2023 14:14

Instrument :

BNA_F

ClientSampleId :

TR-04-112923

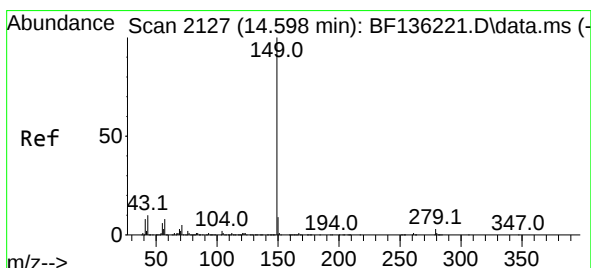
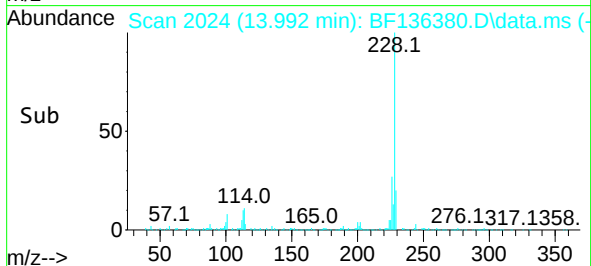
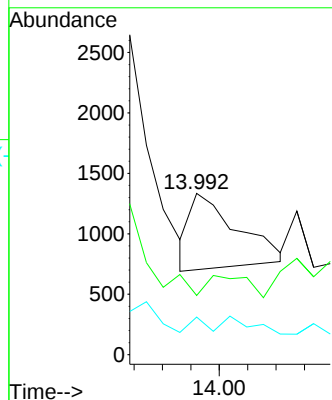
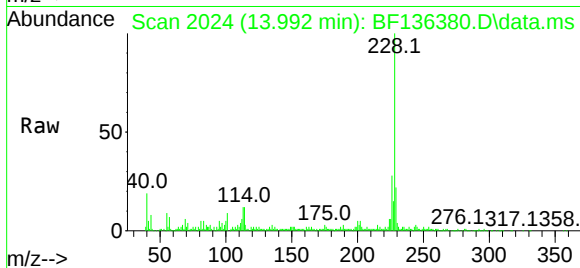
Tgt Ion:149 Resp: 728

Ion Ratio Lower Upper

149 100

167 36.7 20.2 30.2#

279 23.4 2.4 3.6#



#85

Di-n-octyl phthalate

Concen: 102.587 ng

RT: 14.621 min Scan# 2131

Delta R.T. 0.035 min

Lab File: BF136380.D

Acq: 04 Dec 2023 14:14

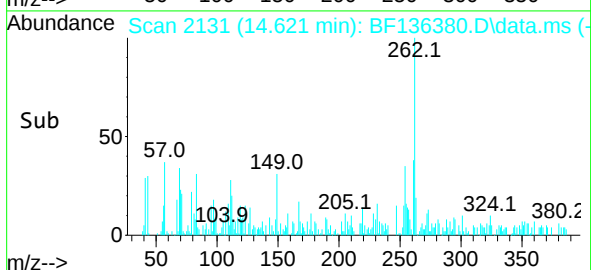
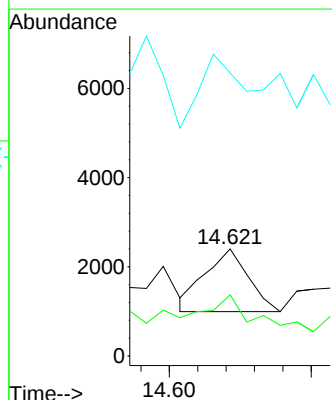
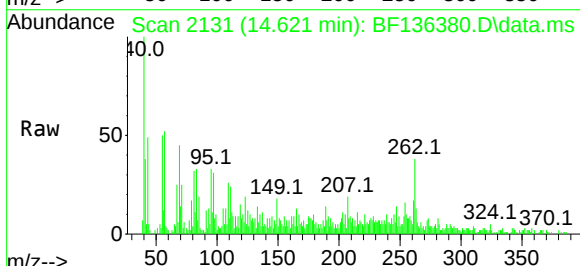
Tgt Ion:149 Resp: 1494

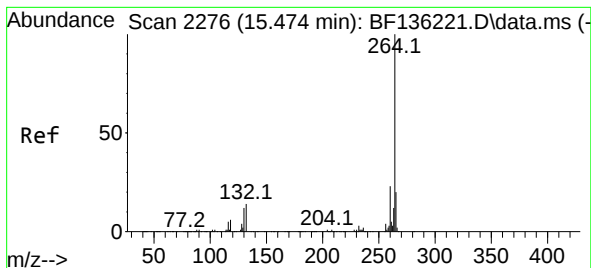
Ion Ratio Lower Upper

149 100

167 81.5 1.0 1.6#

43 125.9 7.2 10.8#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.510 min Scan# 21

Delta R.T. 0.053 min

Lab File: BF136380.D

Acq: 04 Dec 2023 14:14

Instrument :

BNA_F

ClientSampleId :

TR-04-112923

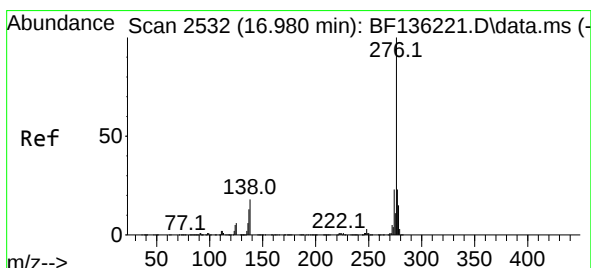
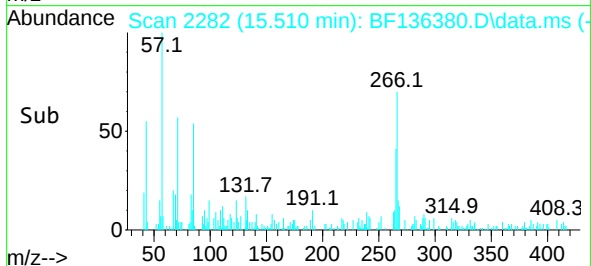
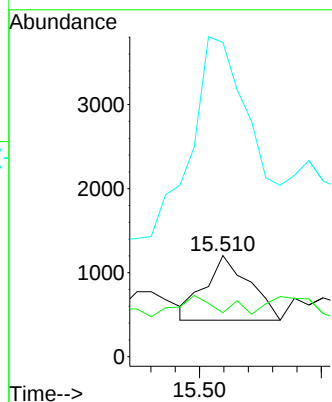
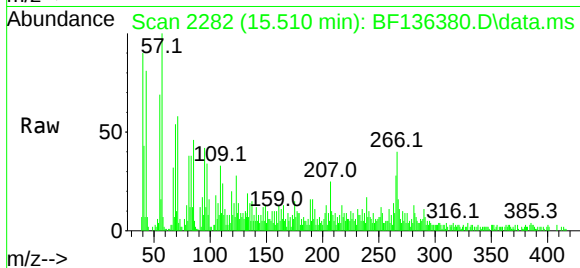
Tgt Ion:264 Resp: 971

Ion Ratio Lower Upper

264 100

260 43.4 18.6 27.8#

265 310.5 15.7 23.5#



#87

Indeno(1,2,3-cd)pyrene

Concen: 802.487 ng

RT: 16.957 min Scan# 2528

Delta R.T. -0.006 min

Lab File: BF136380.D

Acq: 04 Dec 2023 14:14

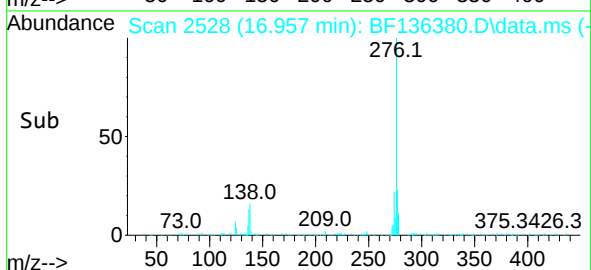
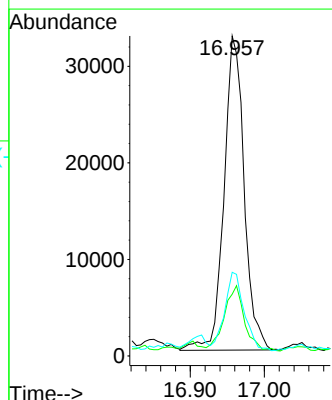
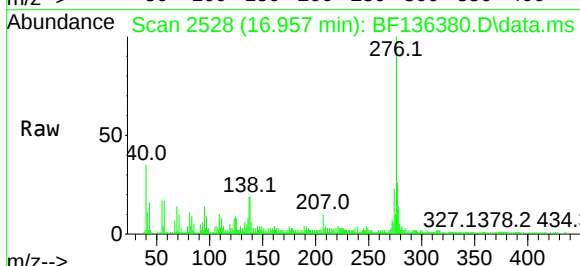
Tgt Ion:276 Resp: 61482

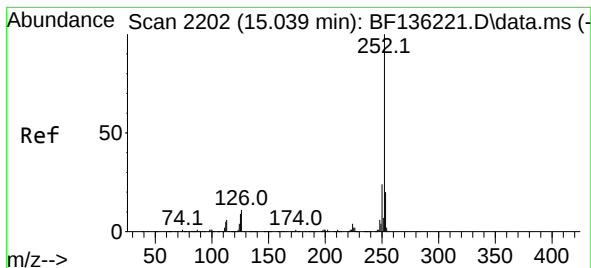
Ion Ratio Lower Upper

276 100

138 20.9 17.7 26.5

277 23.8 19.6 29.4





#88

Benzo(b)fluoranthene

Concen: 334.670 ng

RT: 15.133 min Scan# 2218

Delta R.T. 0.106 min

Lab File: BF136380.D

Acq: 04 Dec 2023 14:14

Instrument :

BNA_F

ClientSampleId :

TR-04-112923

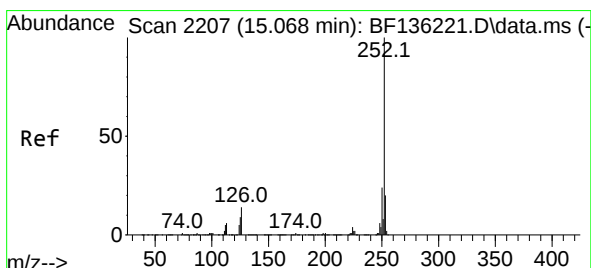
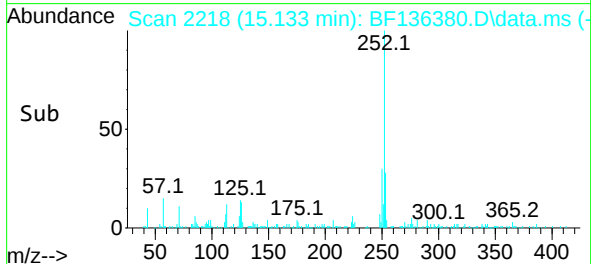
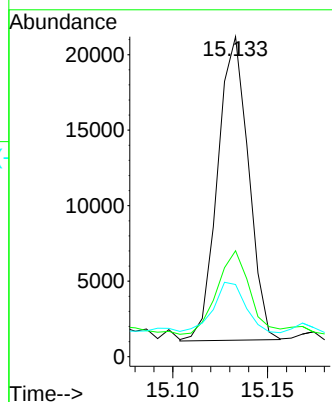
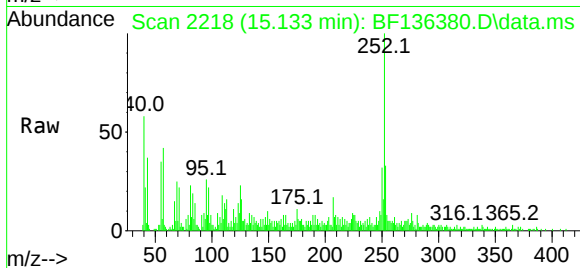
Tgt Ion:252 Resp: 22799

Ion Ratio Lower Upper

252 100

253 33.1 16.2 24.2#

125 22.5 6.9 10.3#



#89

Benzo(k)fluoranthene

Concen: 352.372 ng

RT: 15.133 min Scan# 2218

Delta R.T. 0.077 min

Lab File: BF136380.D

Acq: 04 Dec 2023 14:14

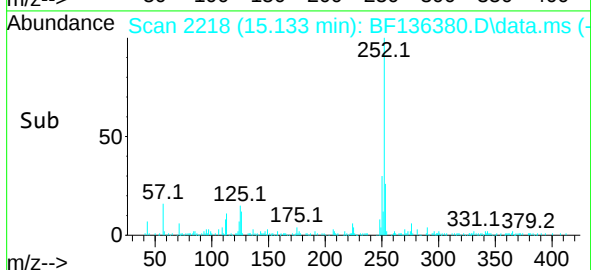
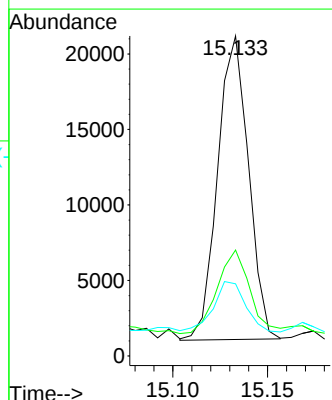
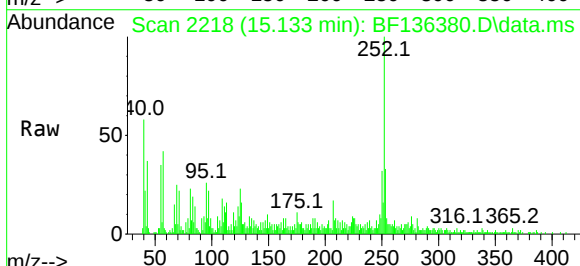
Tgt Ion:252 Resp: 22799

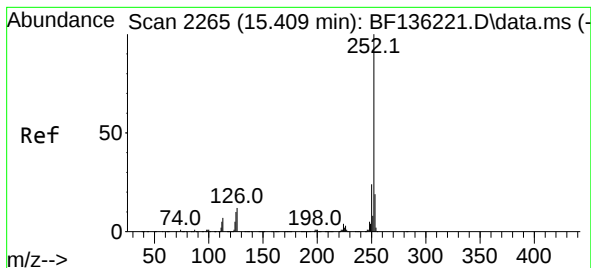
Ion Ratio Lower Upper

252 100

253 33.1 15.6 23.4#

125 22.5 7.0 10.4#





#90

Benzo(a)pyrene

Concen: 547.839 ng

RT: 15.486 min Scan# 21

Delta R.T. 0.088 min

Lab File: BF136380.D

Acq: 04 Dec 2023 14:14

Instrument :

BNA_F

ClientSampleId :

TR-04-112923

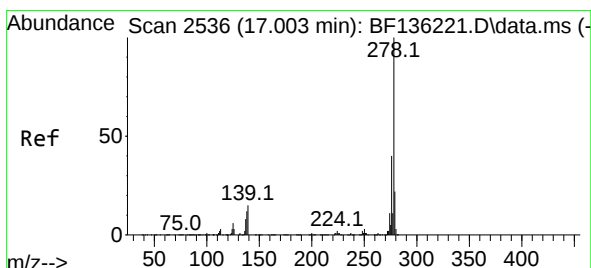
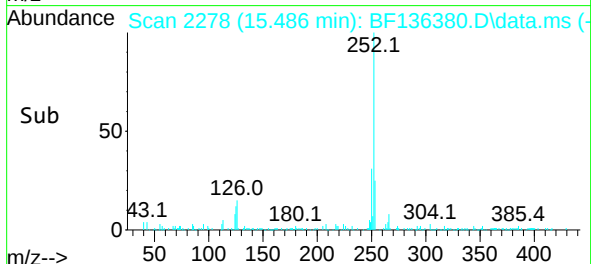
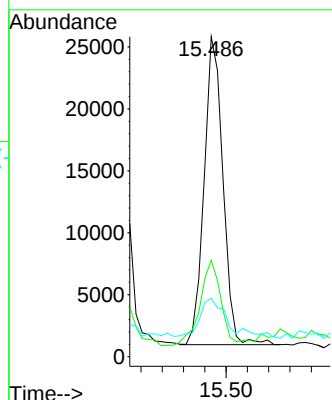
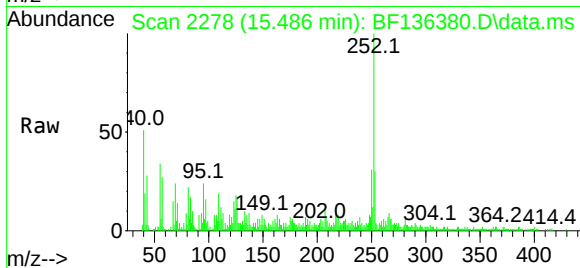
Tgt Ion:252 Resp: 30509

Ion Ratio Lower Upper

252 100

253 30.1 15.5 23.3#

125 18.2 7.9 11.9#



#91

Dibenzo(a,h)anthracene

Concen: 98.173 ng

RT: 17.051 min Scan# 2544

Delta R.T. 0.059 min

Lab File: BF136380.D

Acq: 04 Dec 2023 14:14

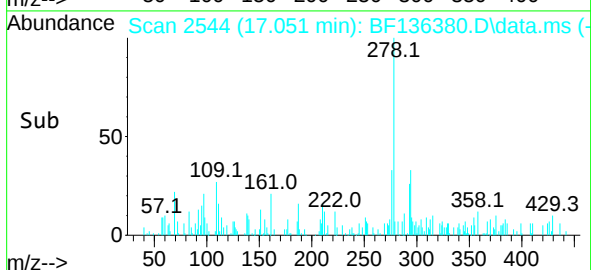
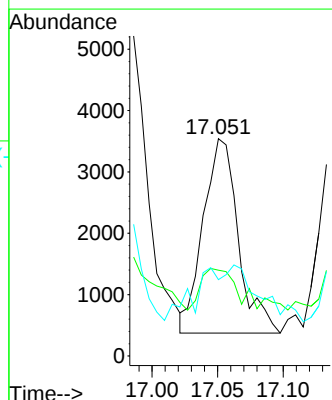
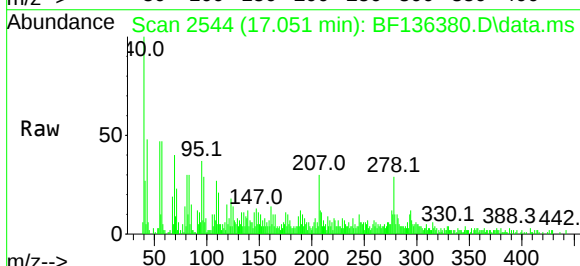
Tgt Ion:278 Resp: 5894

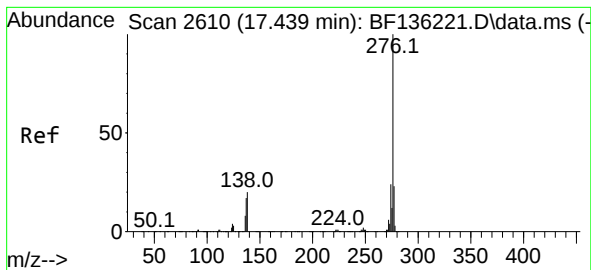
Ion Ratio Lower Upper

278 100

139 39.5 11.7 17.5#

279 35.2 17.8 26.8#





#92

Benzo(g,h,i)perylene

Concen: 875.826 ng

RT: 17.415 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136380.D

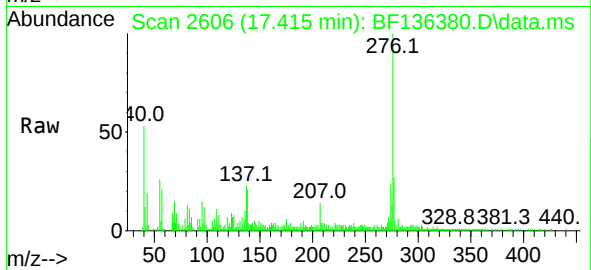
Acq: 04 Dec 2023 14:14

Instrument :

BNA_F

ClientSampleId :

TR-04-112923



Tgt Ion:276 Resp: 53191

Ion Ratio Lower Upper

276 100

277 27.0 18.6 27.8

138 20.6 15.8 23.8

