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 Data File : BF140370.D
 Acq On : 14 Nov 2024 18:51
 Operator : RC/JU
 Sample : P4791-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

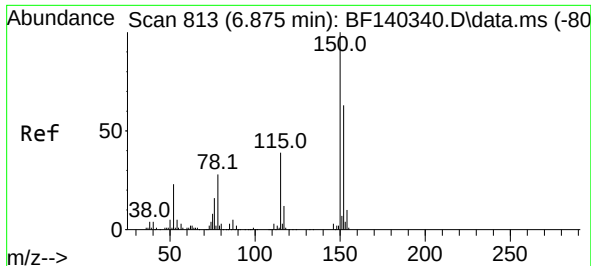
Instrument :
 BNA_F
 ClientSampleId :
 HINCHMAN-OILY-WATER

Quant Time: Nov 15 00:27:47 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 14:40:06 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	108402	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	393711	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	93434	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	196840	20.000	ng	# 0.02
76) Chrysene-d12	14.080	240	140560	20.000	ng	# 0.03
86) Perylene-d12	15.598	264	115864	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	800767	126.125	ng	0.00
7) Phenol-d6	6.498	99	853526	99.226	ng	0.00
23) Nitrobenzene-d5	7.434	82	732822	96.980	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	184696	198.784	ng	0.05
45) 2-Fluorobiphenyl	9.228	172	1053113	181.190	ng	0.00
79) Terphenyl-d14	13.010	244	898243	110.925	ng	0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	2.622	88	6818	2.409	ng	# 83
10) Phenol	6.516	94	44451	4.900	ng	82
19) n-Nitroso-di-n-propyla...	7.269	70	37371	7.193	ng	# 83
24) Nitrobenzene	7.481	77	30160	3.833	ng	# 31
35) Caprolactam	8.592	113	32099	17.483	ng	# 1
48) 2-Nitroaniline	9.416	65	11947	6.957	ng	# 48
51) 2,6-Dinitrotoluene	9.680	165	7025	5.060	ng	# 65
52) Acenaphthene	9.951	154	11913	2.251	ng	# 70
53) 3-Nitroaniline	9.869	138	13625	9.344	ng	# 15
54) 2,4-Dinitrophenol	9.992	184	17312	24.180	ng	# 79
56) 4-Nitrophenol	10.051	139	121680	114.410	ng	# 48
57) 2,4-Dinitrotoluene	10.139	165	8293	4.538	ng	# 70
58) Fluorene	10.486	166	26218	4.431	ng	# 53
60) Diethylphthalate	10.369	149	31714	5.093	ng	# 28
62) 4-Nitroaniline	10.263	138	8114	5.443	ng	84
63) Azobenzene	10.680	77	25487	4.142	ng	# 52
66) n-Nitrosodiphenylamine	10.604	169	68458	12.037	ng	# 52
69) Atrazine	11.098	200	4135	2.403	ng	# 1
70) Pentachlorophenol	11.222	266	2412	2.023	ng	# 20
71) Phenanthrene	11.451	178	89803	9.712	ng	# 62
72) Anthracene	11.539	178	21933	2.420	ng	# 1
74) Di-n-butylphthalate	11.974	149	46756	4.354	ng	# 29
82) 3,3'-Dichlorobenzidine	14.039	252	8456	2.880	ng	# 33
84) Bis(2-ethylhexyl)phtha...	14.051	149	33420	5.421	ng	# 39
85) Di-n-octyl phthalate	14.727	149	57006	6.566	ng	# 61

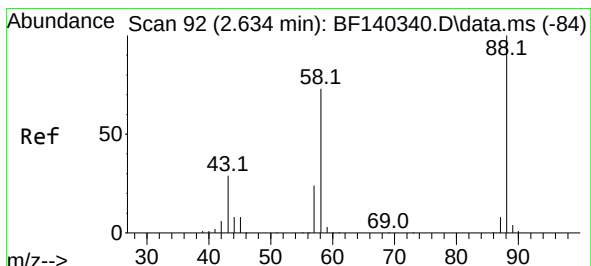
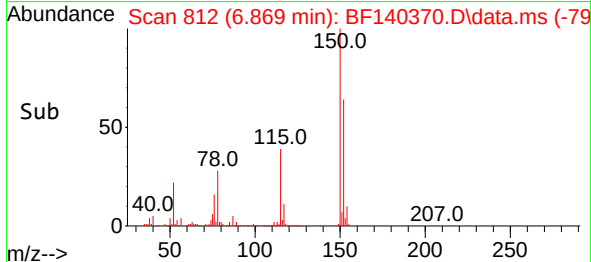
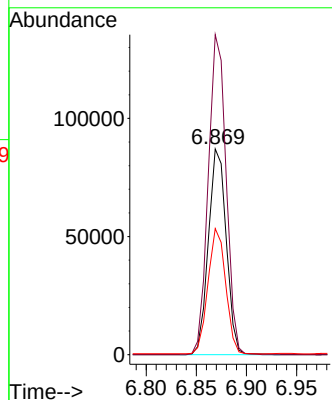
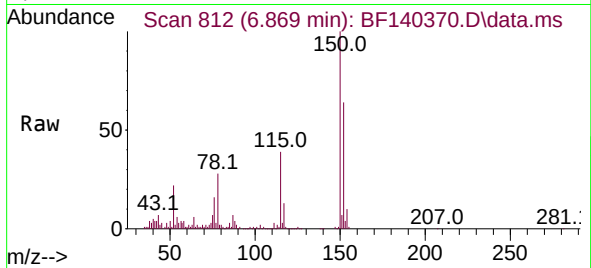
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF140370.D
Acq: 14 Nov 2024 18:51

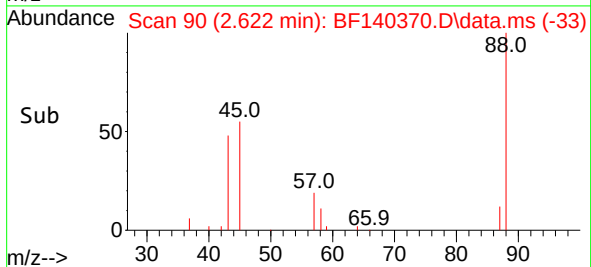
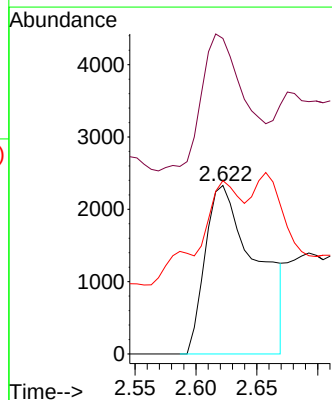
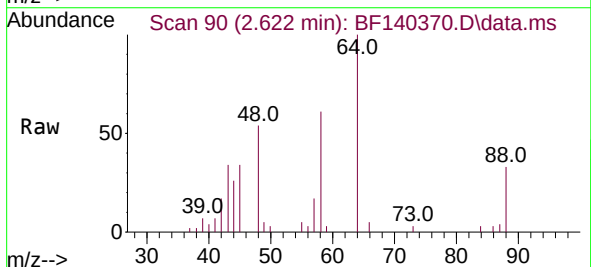
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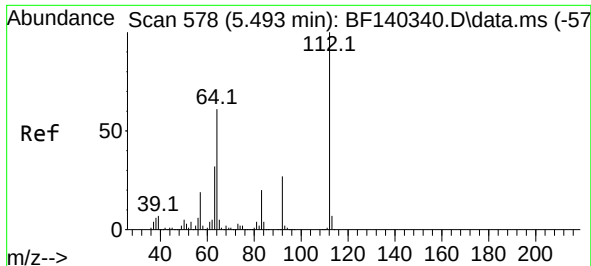
Tgt Ion:152 Resp: 108402
Ion Ratio Lower Upper
152 100
150 155.5 127.4 191.0
115 61.3 47.4 71.2



#2
1,4-Dioxane
Concen: 2.409 ng
RT: 2.622 min Scan# 90
Delta R.T. -0.012 min
Lab File: BF140370.D
Acq: 14 Nov 2024 18:51

Tgt Ion: 88 Resp: 6818
Ion Ratio Lower Upper
88 100
58 68.7 59.5 89.3
43 51.6 23.4 35.2#

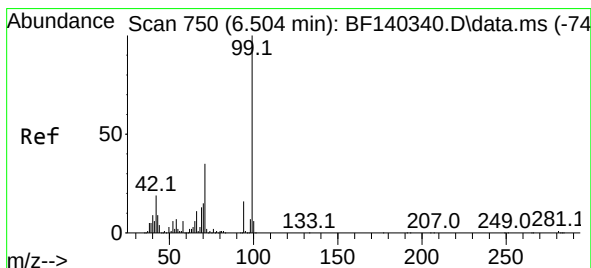
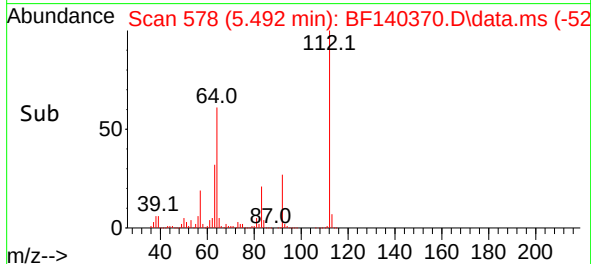
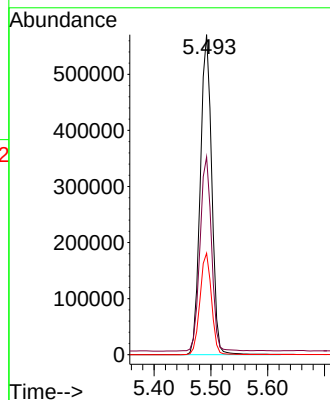
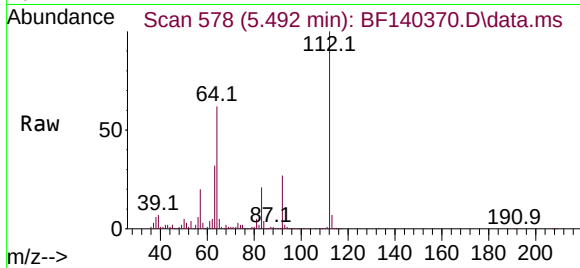




#5
2-Fluorophenol
Concen: 126.125 ng
RT: 5.492 min Scan# 51
Delta R.T. -0.000 min
Lab File: BF140370.D
Acq: 14 Nov 2024 18:51

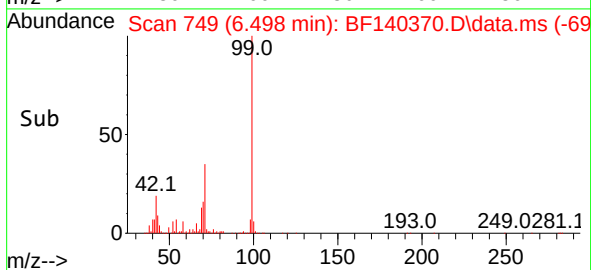
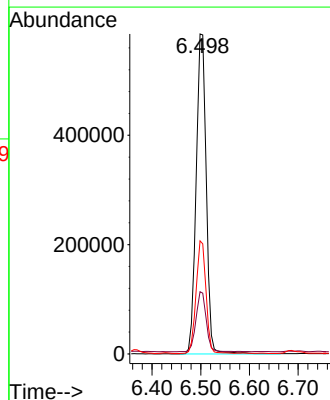
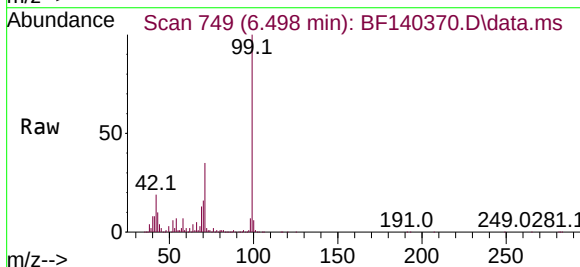
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ClientSampleId :
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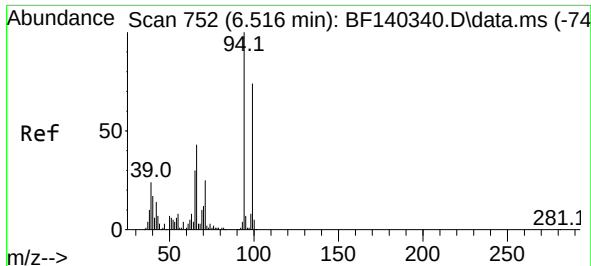
Tgt Ion:112 Resp: 800767
Ion Ratio Lower Upper
112 100
64 61.8 49.2 73.8
63 31.7 25.6 38.4



#7
Phenol-d6
Concen: 99.226 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF140370.D
Acq: 14 Nov 2024 18:51

Tgt Ion: 99 Resp: 853526
Ion Ratio Lower Upper
99 100
42 19.5 15.1 22.7
71 35.3 27.9 41.9

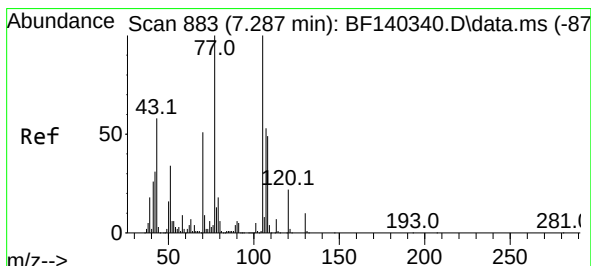
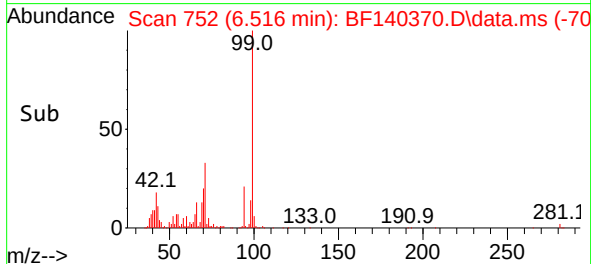
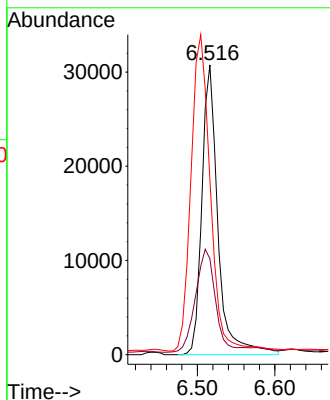
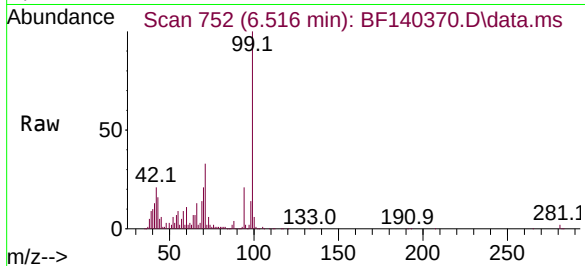




#10
Phenol
Concen: 4.900 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF140370.D
Acq: 14 Nov 2024 18:51

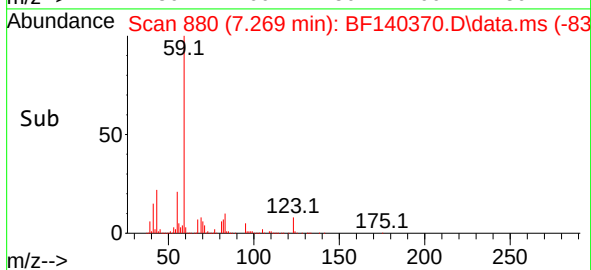
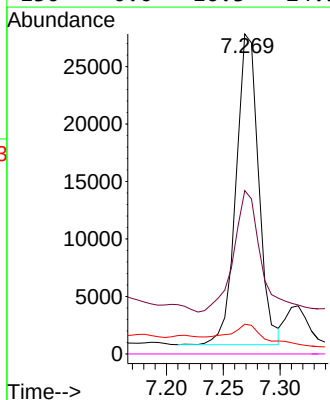
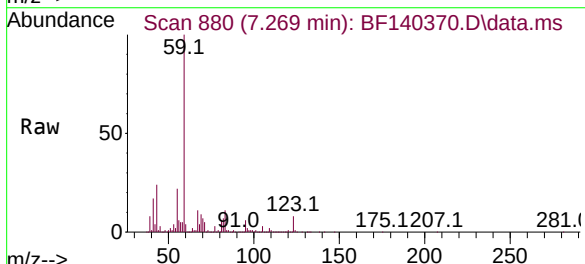
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ClientSampleId :
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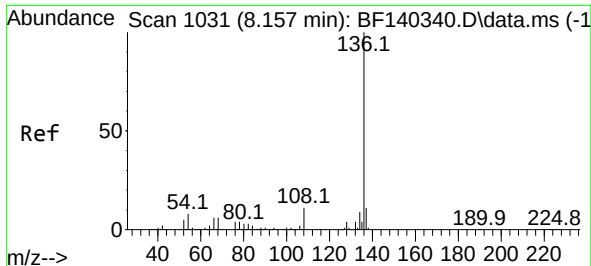
Tgt Ion: 94 Resp: 44451
Ion Ratio Lower Upper
94 100
65 33.1 10.4 50.4
66 60.5 22.9 62.9



#19
n-Nitroso-di-n-propylamine
Concen: 7.193 ng
RT: 7.269 min Scan# 880
Delta R.T. -0.024 min
Lab File: BF140370.D
Acq: 14 Nov 2024 18:51

Tgt Ion: 70 Resp: 37371
Ion Ratio Lower Upper
70 100
42 51.0 46.8 70.2
101 9.3 7.5 11.3
130 0.0 16.3 24.5#

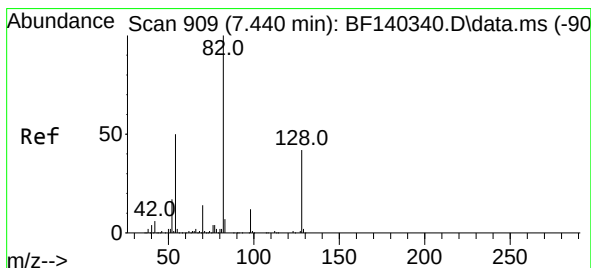
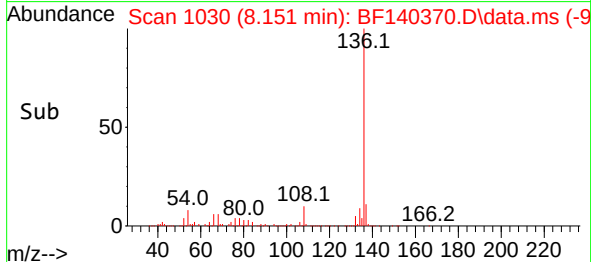
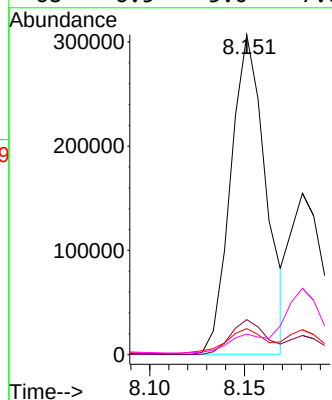
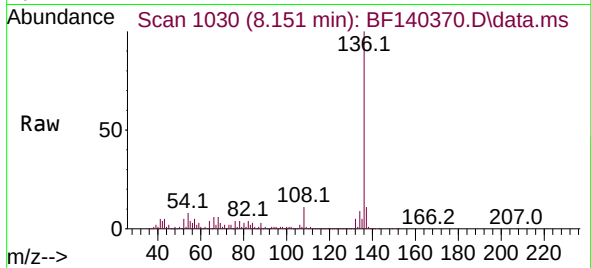




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF140370.D
Acq: 14 Nov 2024 18:51

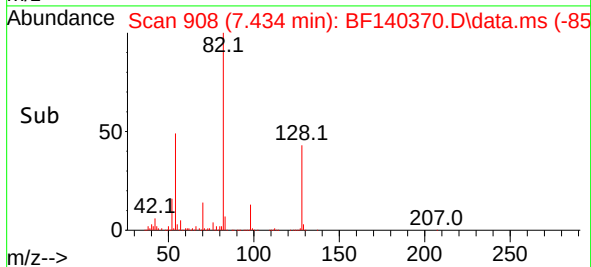
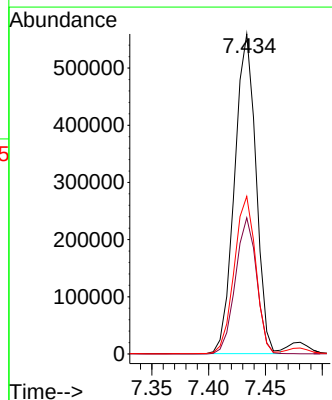
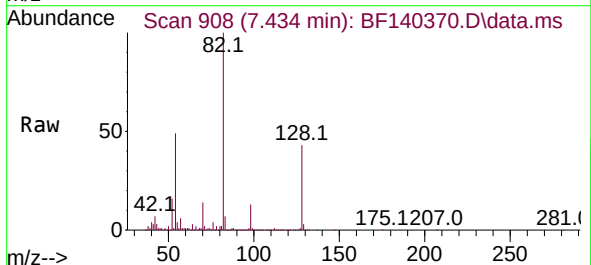
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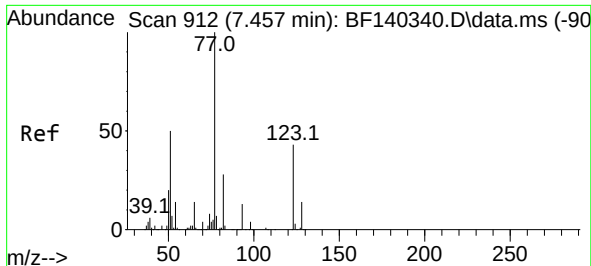
Tgt Ion:136 Resp: 393711
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 8.1 6.5 9.7
68 6.5 5.0 7.6



#23
Nitrobenzene-d5
Concen: 96.980 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF140370.D
Acq: 14 Nov 2024 18:51

Tgt Ion: 82 Resp: 732822
Ion Ratio Lower Upper
82 100
128 42.5 33.3 49.9
54 49.3 39.8 59.8

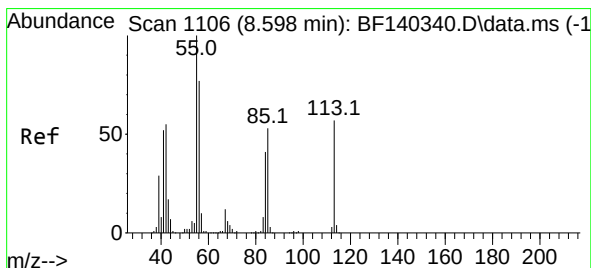
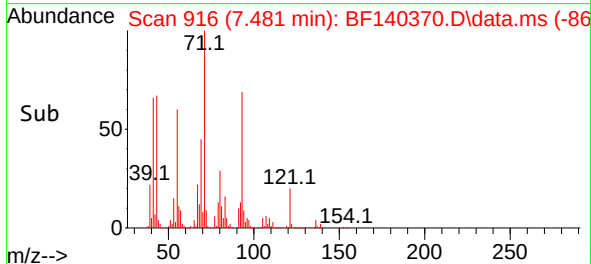
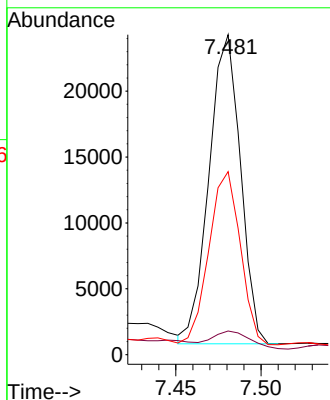
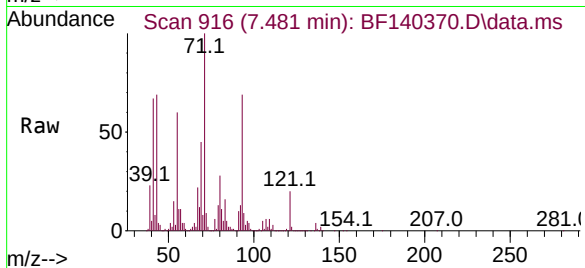




#24
Nitrobenzene
Concen: 3.833 ng
RT: 7.481 min Scan# 916
Delta R.T. 0.018 min
Lab File: BF140370.D
Acq: 14 Nov 2024 18:51

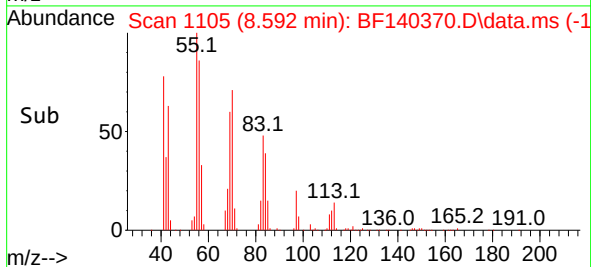
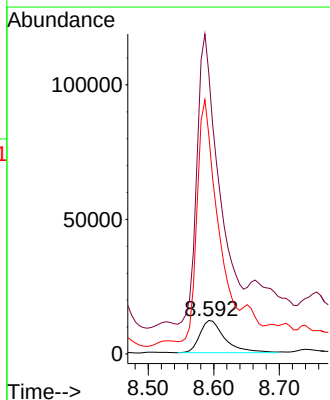
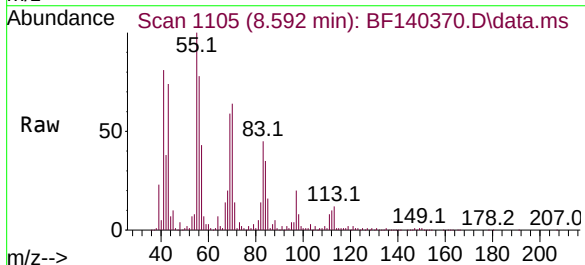
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ClientSampleId :
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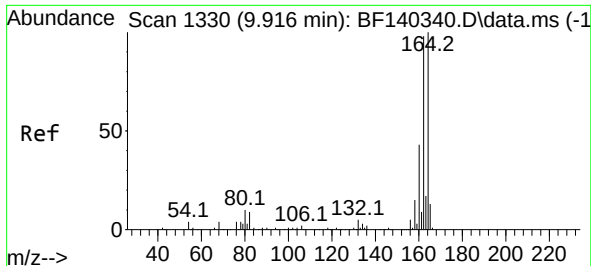
Tgt Ion: 77 Resp: 30160
Ion Ratio Lower Upper
77 100
123 7.4 35.4 53.0#
65 57.2 11.1 16.7#



#35
Caprolactam
Concen: 17.483 ng
RT: 8.592 min Scan# 1105
Delta R.T. -0.006 min
Lab File: BF140370.D
Acq: 14 Nov 2024 18:51

Tgt Ion: 113 Resp: 32099
Ion Ratio Lower Upper
113 100
55 838.1 150.0 190.0#
56 654.3 111.1 151.1#

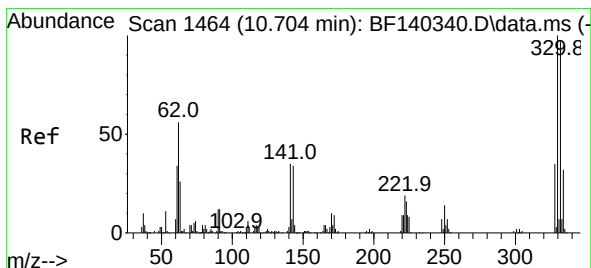
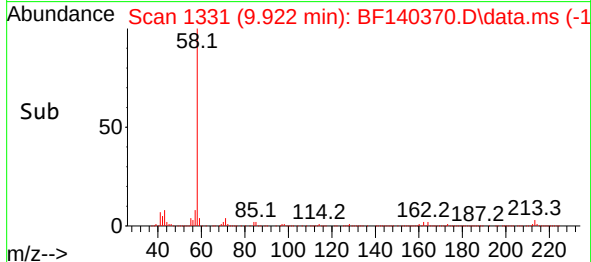
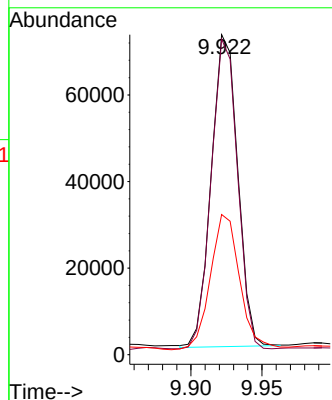
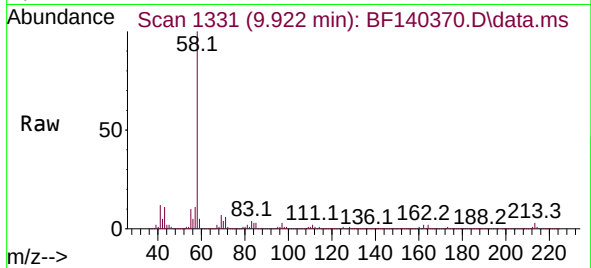




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140370.D
Acq: 14 Nov 2024 18:51

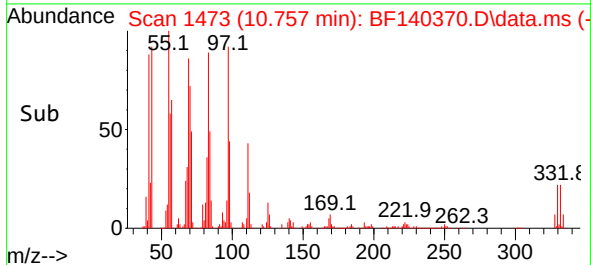
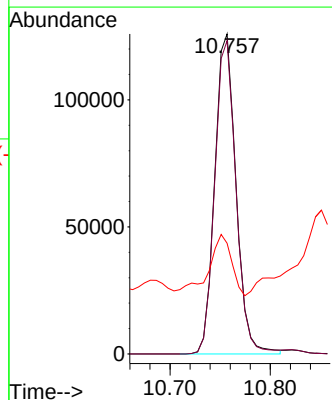
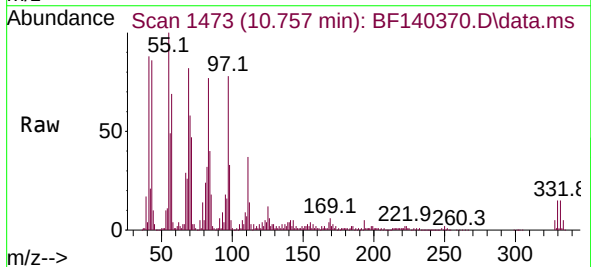
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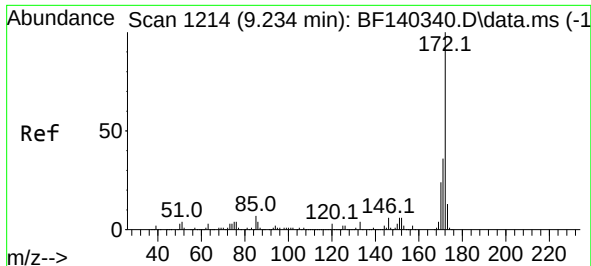
Tgt Ion:164 Resp: 93434
Ion Ratio Lower Upper
164 100
162 98.6 79.8 119.8
160 43.8 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 198.784 ng
RT: 10.757 min Scan# 1473
Delta R.T. 0.053 min
Lab File: BF140370.D
Acq: 14 Nov 2024 18:51

Tgt Ion:330 Resp: 184696
Ion Ratio Lower Upper
330 100
332 97.7 75.9 113.9
141 20.4 26.9 40.3#





#45

2-Fluorobiphenyl

Concen: 181.190 ng

RT: 9.228 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140370.D

Acq: 14 Nov 2024 18:51

Instrument :

BNA_F

ClientSampleId :

HINCHMAN-OILY-WATER

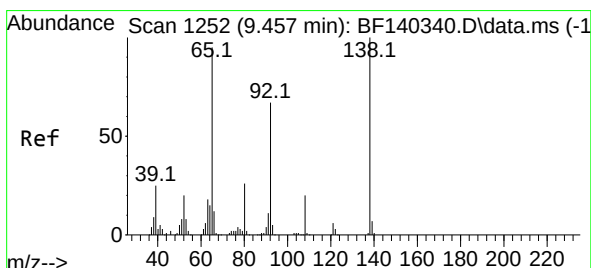
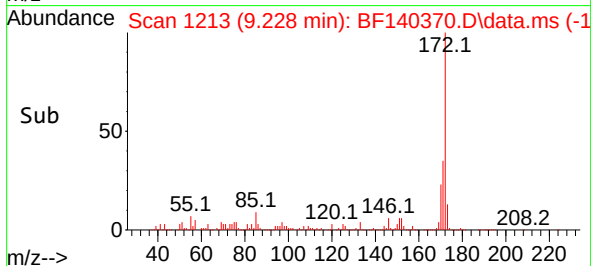
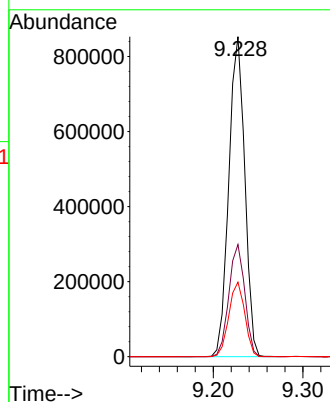
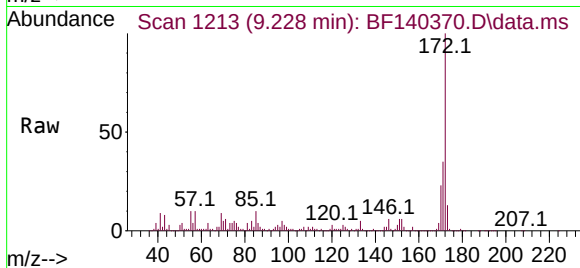
Tgt Ion:172 Resp: 1053113

Ion Ratio Lower Upper

172 100

171 35.1 28.5 42.7

170 23.3 19.1 28.7



#48

2-Nitroaniline

Concen: 6.957 ng

RT: 9.416 min Scan# 1245

Delta R.T. -0.041 min

Lab File: BF140370.D

Acq: 14 Nov 2024 18:51

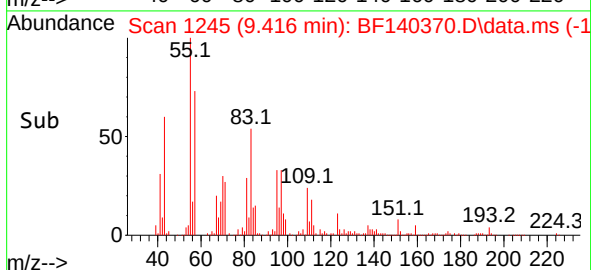
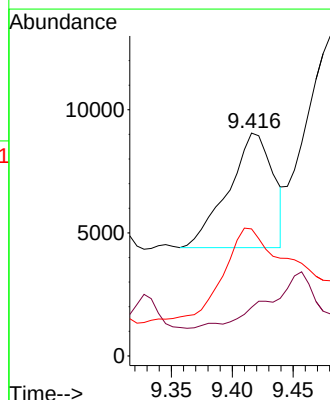
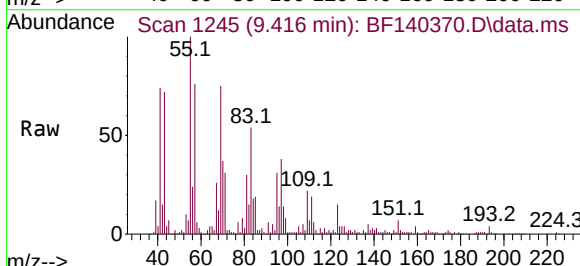
Tgt Ion: 65 Resp: 11947

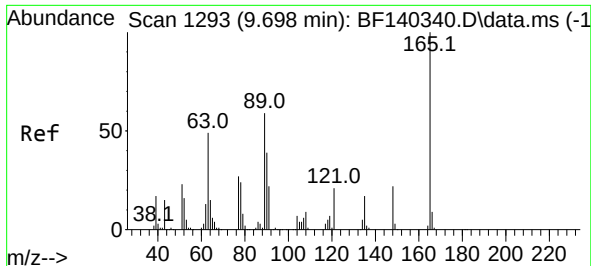
Ion Ratio Lower Upper

65 100

92 21.8 56.4 84.6#

138 57.0 84.8 127.2#





#51

2,6-Dinitrotoluene

Concen: 5.060 ng

RT: 9.680 min Scan# 1293

Delta R.T. -0.018 min

Lab File: BF140370.D

Acq: 14 Nov 2024 18:51

Instrument :

BNA_F

ClientSampleId :

HINCHMAN-OILY-WATER

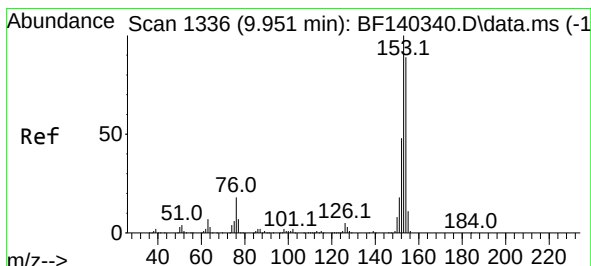
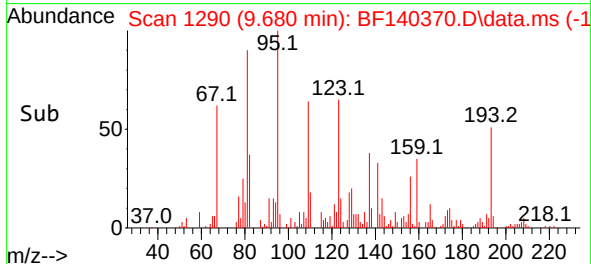
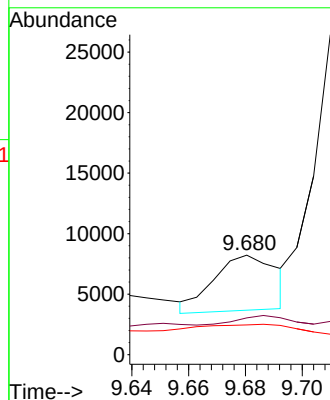
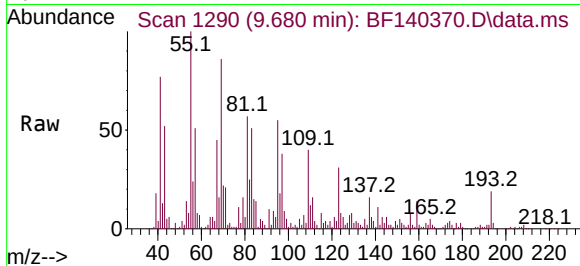
Tgt Ion:165 Resp: 7025

Ion Ratio Lower Upper

165 100

63 36.9 47.6 71.4#

89 29.9 48.1 72.1#



#52

Acenaphthene

Concen: 2.251 ng

RT: 9.951 min Scan# 1336

Delta R.T. -0.000 min

Lab File: BF140370.D

Acq: 14 Nov 2024 18:51

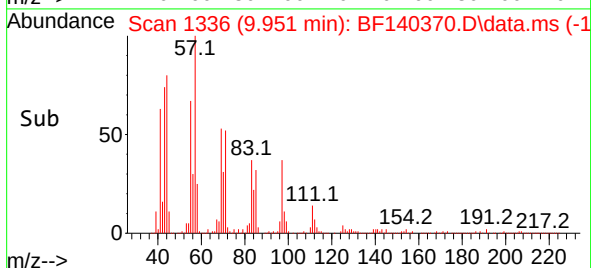
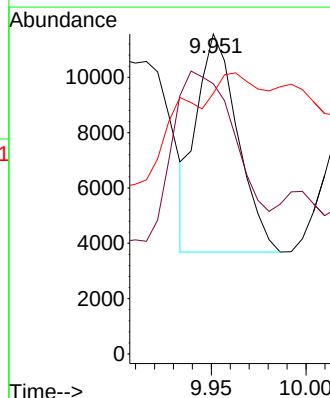
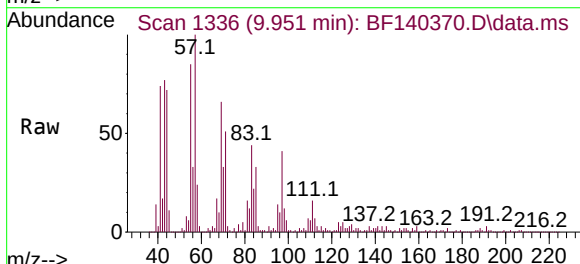
Tgt Ion:154 Resp: 11913

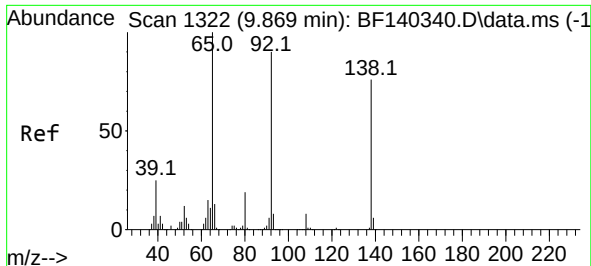
Ion Ratio Lower Upper

154 100

153 84.5 89.8 134.8#

152 81.4 42.6 64.0#

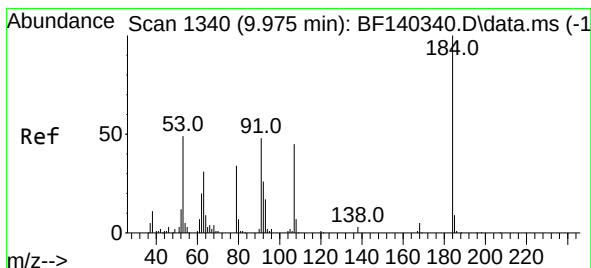
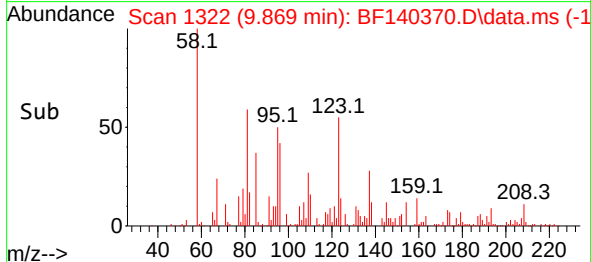
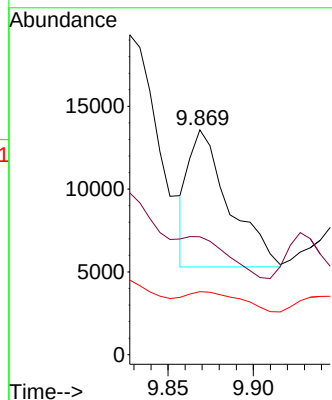
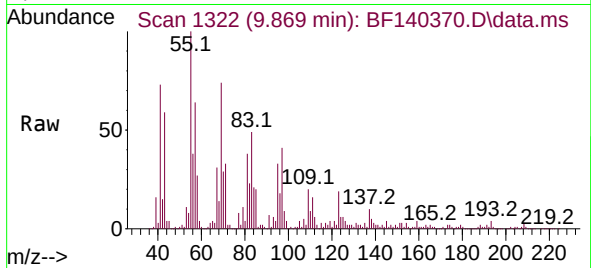




#53
3-Nitroaniline
Concen: 9.344 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140370.D
Acq: 14 Nov 2024 18:51

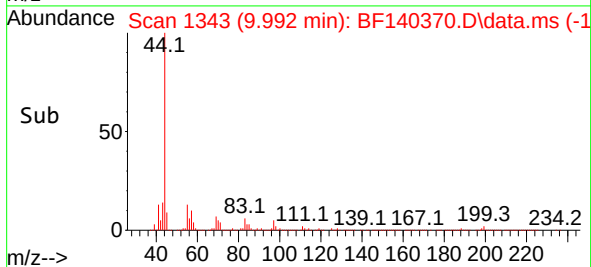
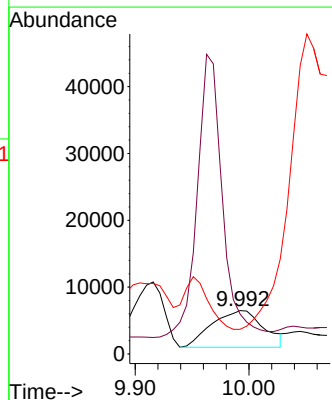
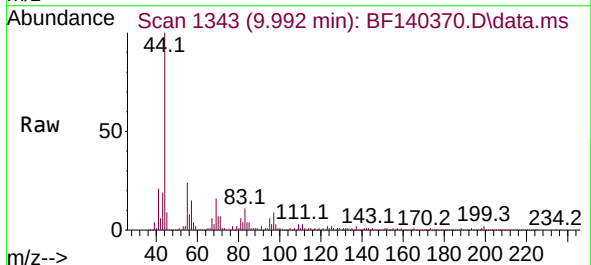
Instrument :
BNA_F
ClientSampleId :
HINCHMAN-OILY-WATER

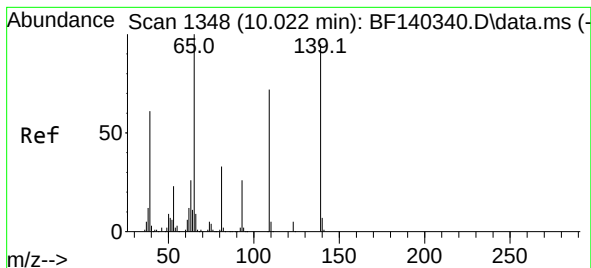
Tgt Ion:138 Resp: 13625
Ion Ratio Lower Upper
138 100
108 52.4 8.4 12.6#
92 28.0 95.5 143.3#



#54
2,4-Dinitrophenol
Concen: 24.180 ng
RT: 9.992 min Scan# 1343
Delta R.T. 0.017 min
Lab File: BF140370.D
Acq: 14 Nov 2024 18:51

Tgt Ion:184 Resp: 17312
Ion Ratio Lower Upper
184 100
63 92.2 53.5 80.3#
154 57.0 51.3 76.9

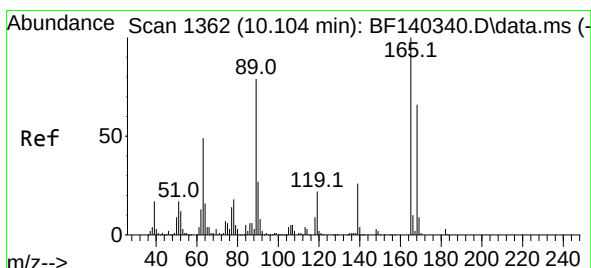
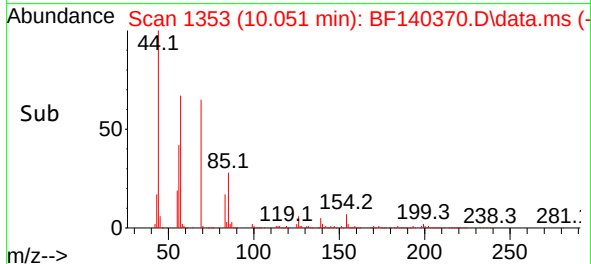
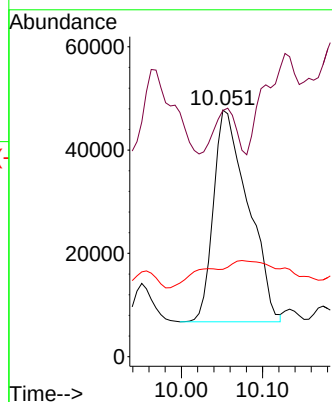
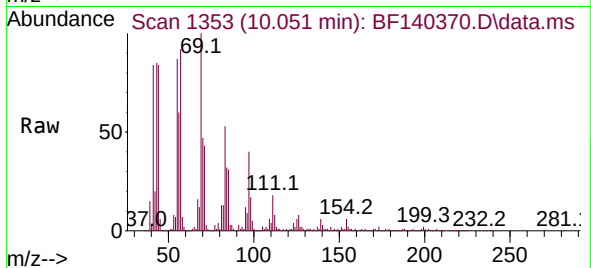




#56
4-Nitrophenol
Concen: 114.410 ng
RT: 10.051 min Scan# 1353
Delta R.T. 0.029 min
Lab File: BF140370.D
Acq: 14 Nov 2024 18:51

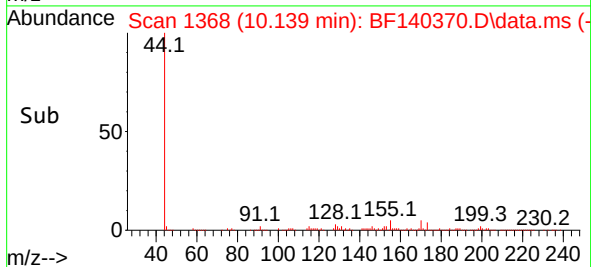
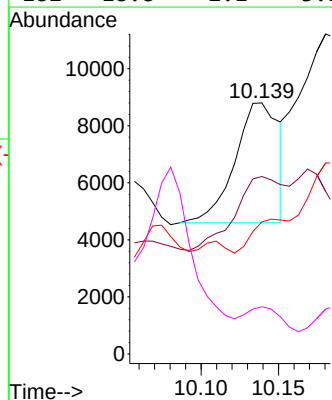
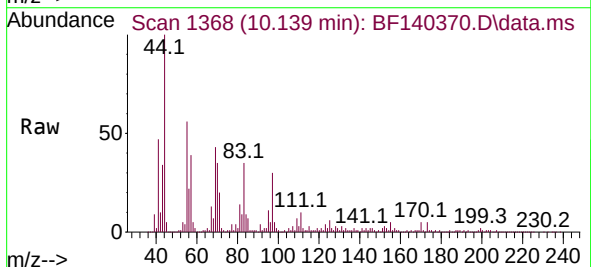
Instrument :
BNA_F
ClientSampleId :
HINCHMAN-OILY-WATER

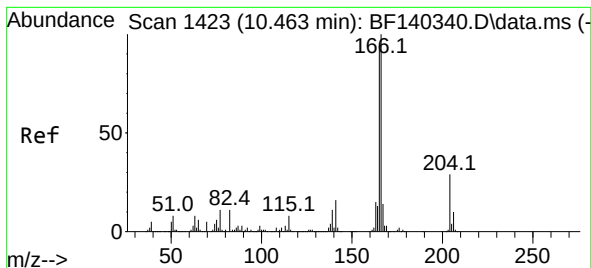
Tgt Ion:139 Resp: 121680
Ion Ratio Lower Upper
139 100
109 99.9 54.5 94.5#
65 35.4 84.4 124.4#



#57
2,4-Dinitrotoluene
Concen: 4.538 ng
RT: 10.139 min Scan# 1368
Delta R.T. 0.035 min
Lab File: BF140370.D
Acq: 14 Nov 2024 18:51

Tgt Ion:165 Resp: 8293
Ion Ratio Lower Upper
165 100
63 70.7 39.4 59.0#
89 52.6 62.4 93.6#
182 18.8 2.1 3.1#





#58

Fluorene

Concen: 4.431 ng

RT: 10.486 min Scan# 1427

Delta R.T. 0.023 min

Lab File: BF140370.D

Acq: 14 Nov 2024 18:51

Instrument :

BNA_F

ClientSampleId :

HINCHMAN-OILY-WATER

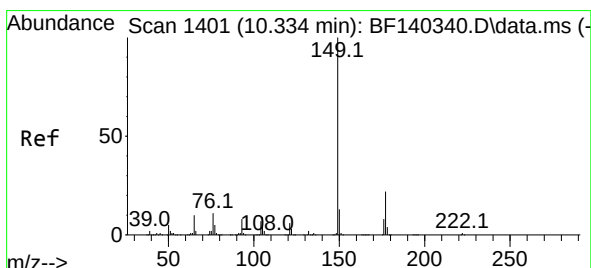
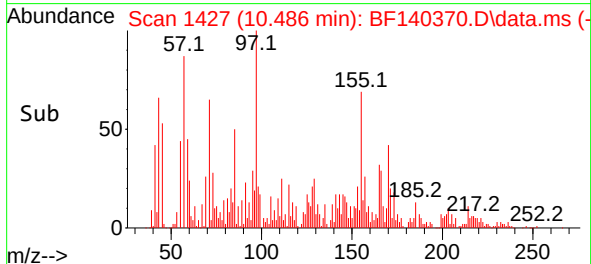
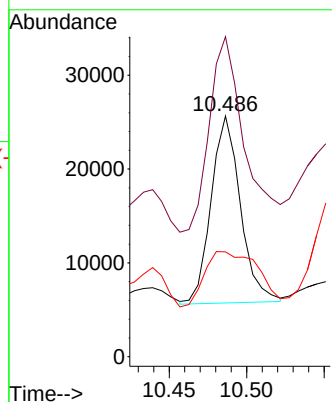
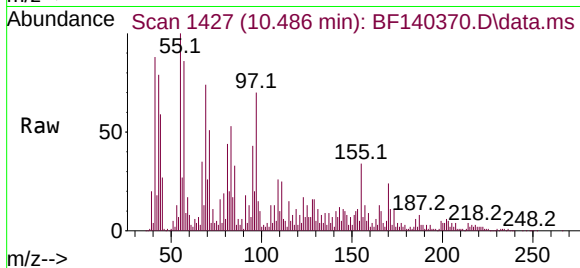
Tgt Ion:166 Resp: 26218

Ion Ratio Lower Upper

166 100

165 133.0 73.9 110.9#

167 43.5 10.9 16.3#



#60

Diethylphthalate

Concen: 5.093 ng

RT: 10.369 min Scan# 1407

Delta R.T. 0.035 min

Lab File: BF140370.D

Acq: 14 Nov 2024 18:51

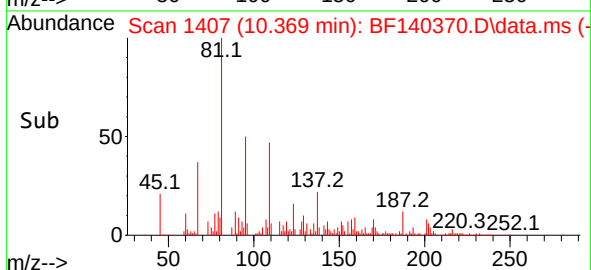
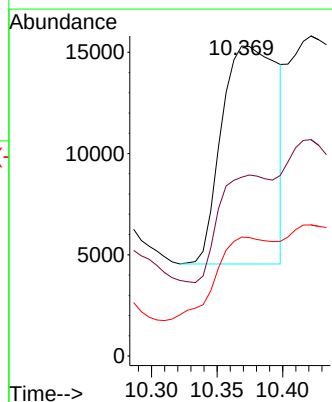
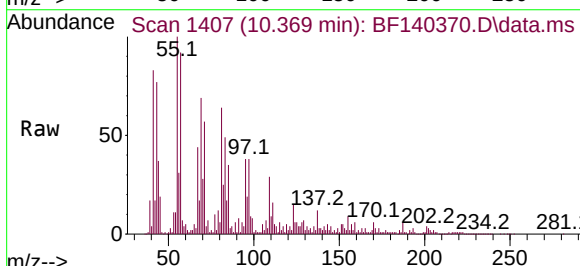
Tgt Ion:149 Resp: 31714

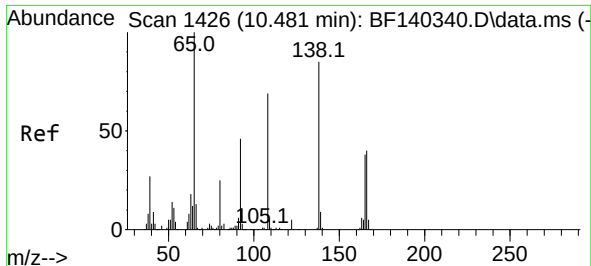
Ion Ratio Lower Upper

149 100

177 57.7 17.5 26.3#

150 38.4 10.1 15.1#

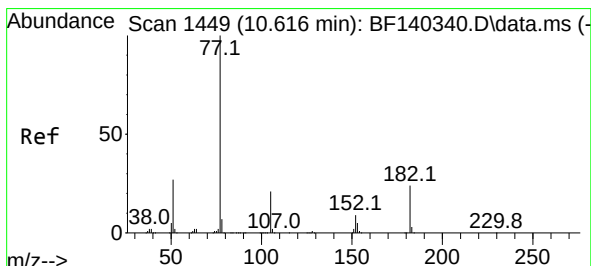
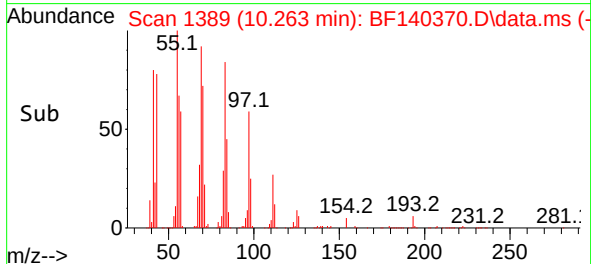
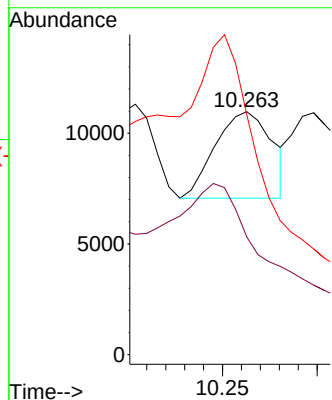
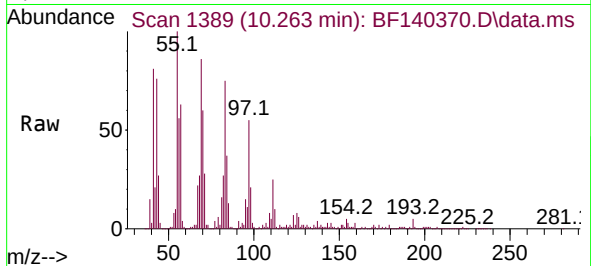




#62
4-Nitroaniline
Concen: 5.443 ng
RT: 10.263 min Scan# 1418
Delta R.T. -0.218 min
Lab File: BF140370.D
Acq: 14 Nov 2024 18:51

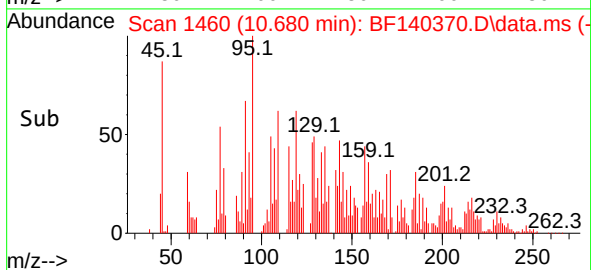
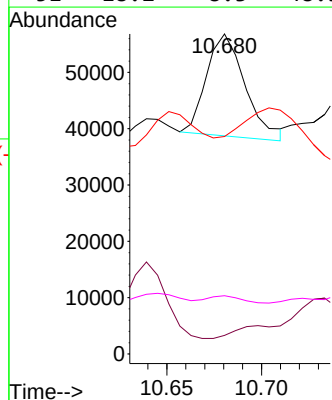
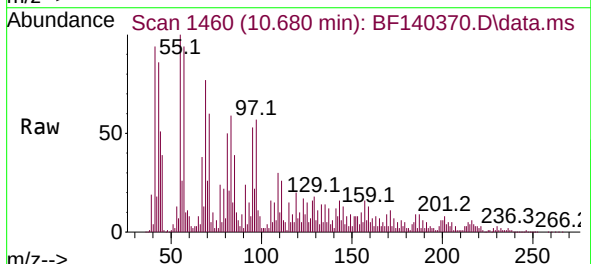
Instrument :
BNA_F
ClientSampleId :
HINCHMAN-OILY-WATER

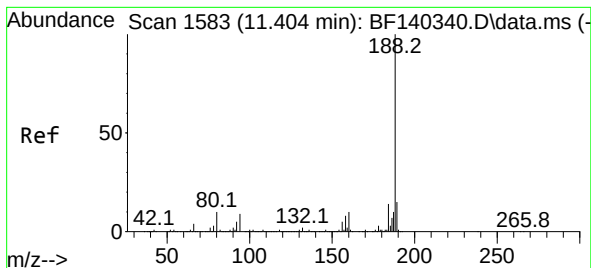
Tgt Ion:138 Resp: 8114
Ion Ratio Lower Upper
138 100
92 48.5 33.8 73.8
108 98.8 59.9 99.9



#63
Azobenzene
Concen: 4.142 ng
RT: 10.680 min Scan# 1460
Delta R.T. 0.065 min
Lab File: BF140370.D
Acq: 14 Nov 2024 18:51

Tgt Ion: 77 Resp: 25487
Ion Ratio Lower Upper
77 100
182 5.8 4.6 44.6
105 68.0 0.9 40.9#
51 18.2 8.3 48.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.427 min Scan# 1

Delta R.T. 0.023 min

Lab File: BF140370.D

Acq: 14 Nov 2024 18:51

Instrument :

BNA_F

ClientSampleId :

HINCHMAN-OILY-WATER

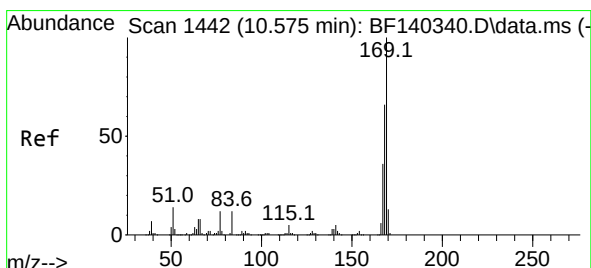
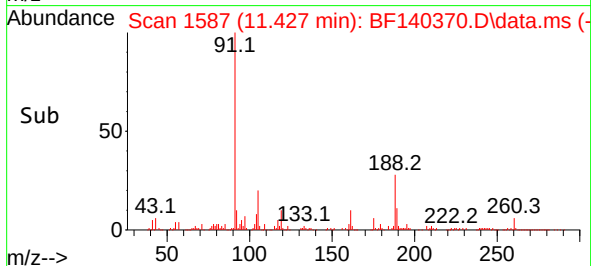
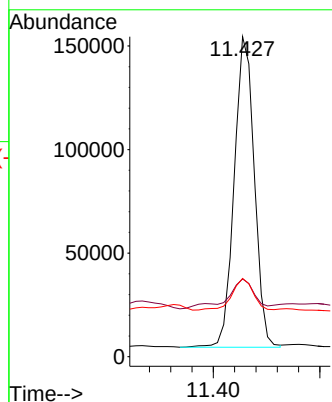
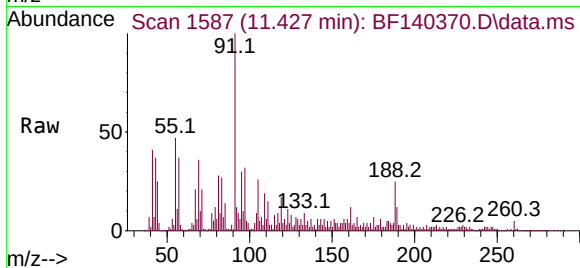
Tgt Ion:188 Resp: 196840

Ion Ratio Lower Upper

188 100

94 24.3 7.6 11.4#

80 24.5 8.0 12.0#



#66

n-Nitrosodiphenylamine

Concen: 12.037 ng

RT: 10.604 min Scan# 1447

Delta R.T. 0.029 min

Lab File: BF140370.D

Acq: 14 Nov 2024 18:51

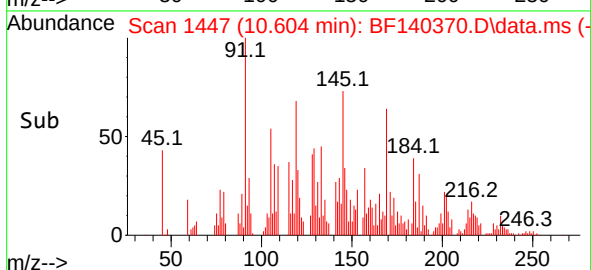
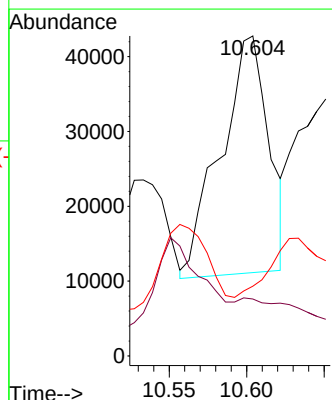
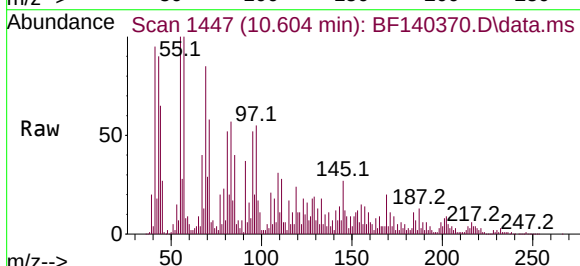
Tgt Ion:169 Resp: 68458

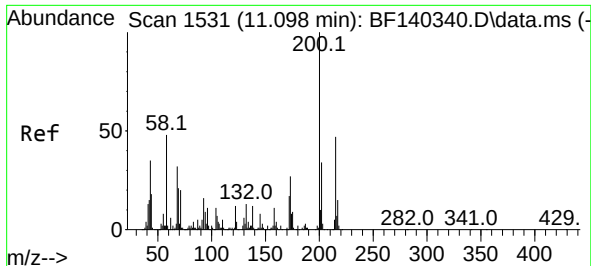
Ion Ratio Lower Upper

169 100

168 17.8 52.7 79.1#

167 21.8 29.3 43.9#

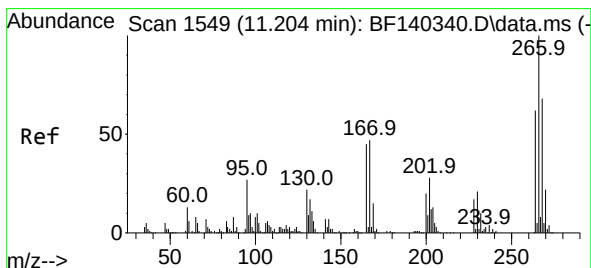
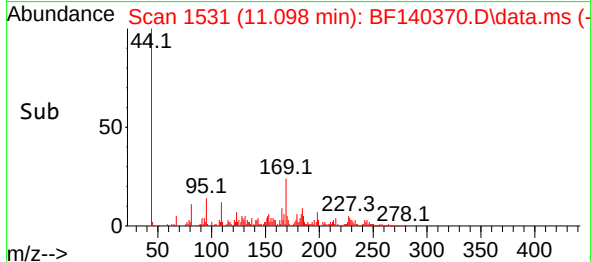
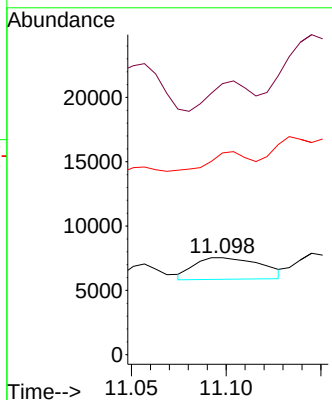
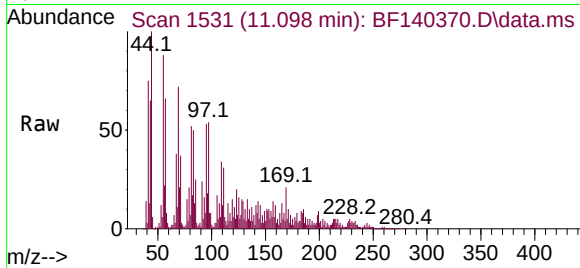




#69
 Atrazine
 Concen: 2.403 ng
 RT: 11.098 min Scan# 1531
 Delta R.T. -0.000 min
 Lab File: BF140370.D
 Acq: 14 Nov 2024 18:51

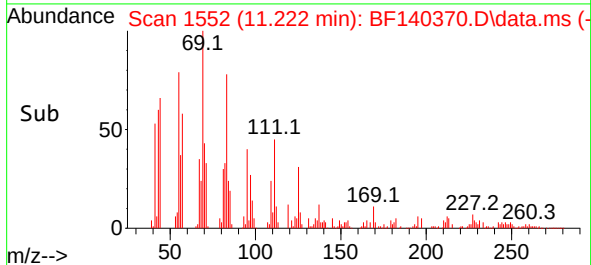
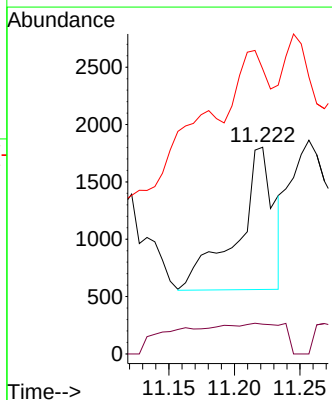
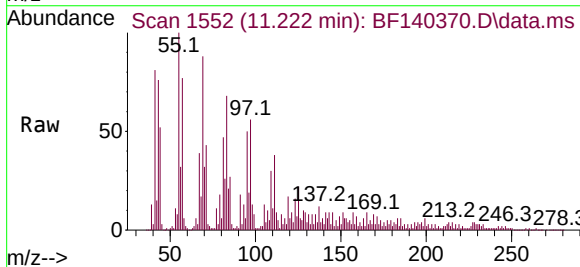
Instrument :
 BNA_F
 ClientSampleId :
 HINCHMAN-OILY-WATER

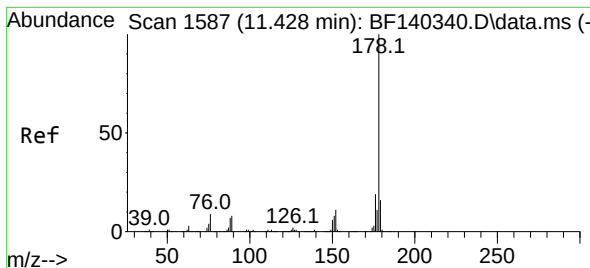
Tgt Ion:200 Resp: 4135
 Ion Ratio Lower Upper
 200 100
 173 279.3 6.6 46.6#
 215 207.8 27.2 67.2#



#70
 Pentachlorophenol
 Concen: 2.023 ng
 RT: 11.222 min Scan# 1552
 Delta R.T. 0.018 min
 Lab File: BF140370.D
 Acq: 14 Nov 2024 18:51

Tgt Ion:266 Resp: 2412
 Ion Ratio Lower Upper
 266 100
 268 14.4 52.9 79.3#
 264 137.9 50.3 75.5#





#71

Phenanthrene

Concen: 9.712 ng

RT: 11.451 min Scan# 11

Delta R.T. 0.023 min

Lab File: BF140370.D

Acq: 14 Nov 2024 18:51

Instrument :

BNA_F

ClientSampleId :

HINCHMAN-OILY-WATER

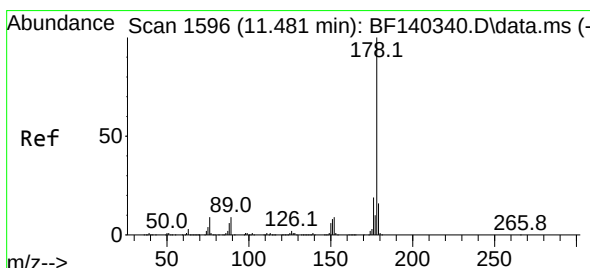
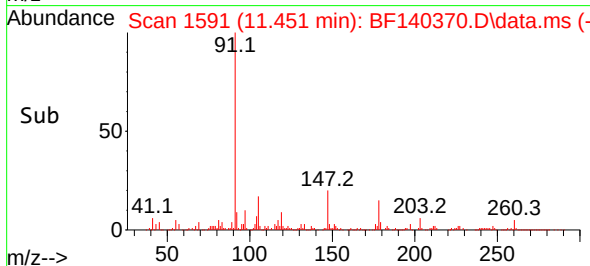
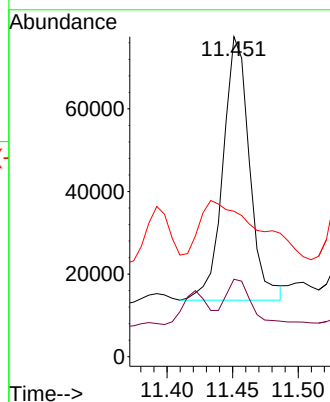
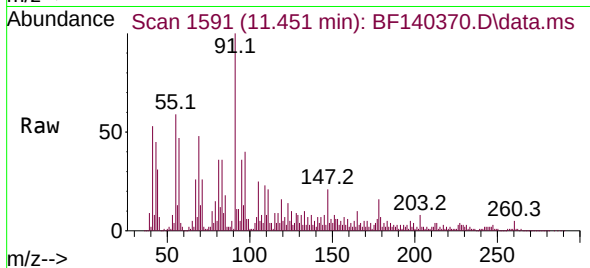
Tgt Ion:178 Resp: 89803

Ion Ratio Lower Upper

178 100

176 24.2 15.5 23.3#

179 45.4 12.4 18.6#



#72

Anthracene

Concen: 2.420 ng

RT: 11.539 min Scan# 1606

Delta R.T. 0.059 min

Lab File: BF140370.D

Acq: 14 Nov 2024 18:51

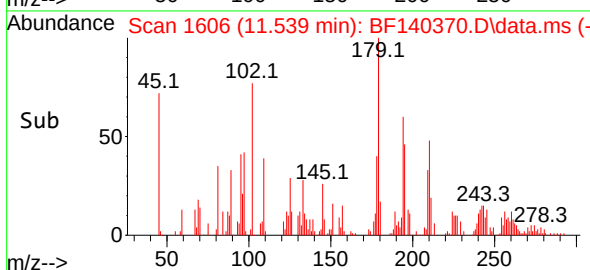
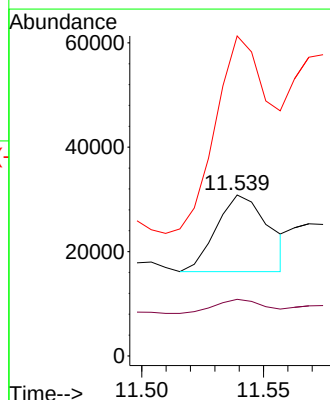
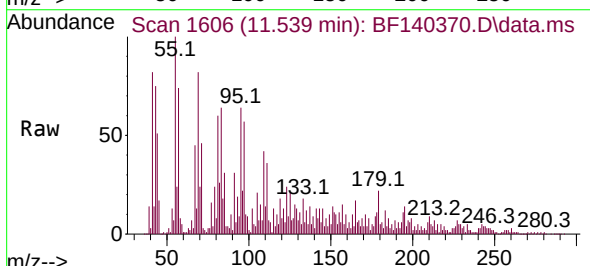
Tgt Ion:178 Resp: 21933

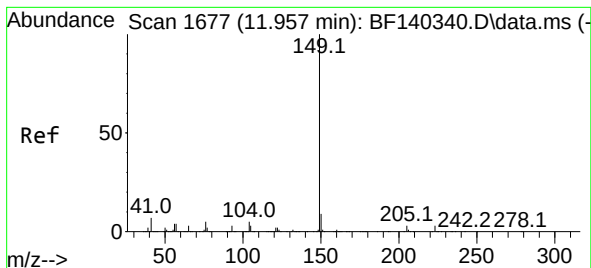
Ion Ratio Lower Upper

178 100

176 35.2 15.4 23.0#

179 198.9 12.6 18.8#





#74

Di-n-butylphthalate

Concen: 4.354 ng

RT: 11.974 min Scan# 1

Delta R.T. 0.018 min

Lab File: BF140370.D

Acq: 14 Nov 2024 18:51

Instrument :

BNA_F

ClientSampleId :

HINCHMAN-OILY-WATER

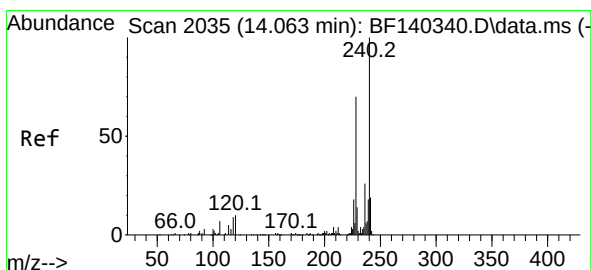
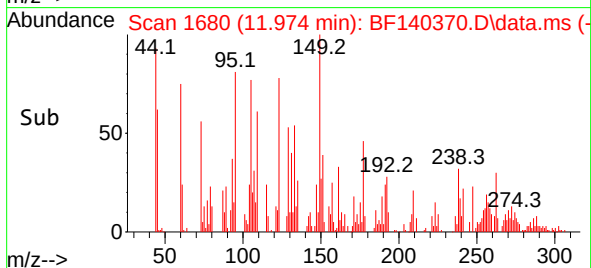
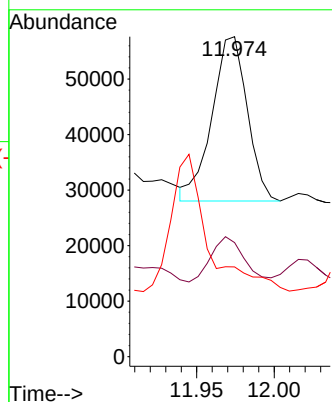
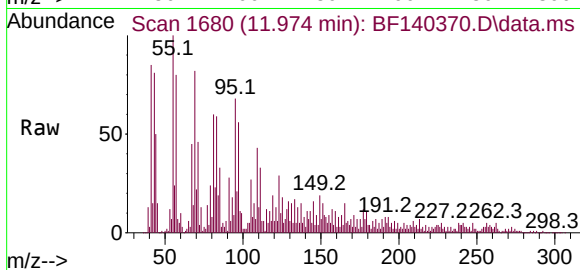
Tgt Ion:149 Resp: 46756

Ion Ratio Lower Upper

149 100

150 35.7 7.4 11.2#

104 28.1 4.0 6.0#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.080 min Scan# 2038

Delta R.T. 0.029 min

Lab File: BF140370.D

Acq: 14 Nov 2024 18:51

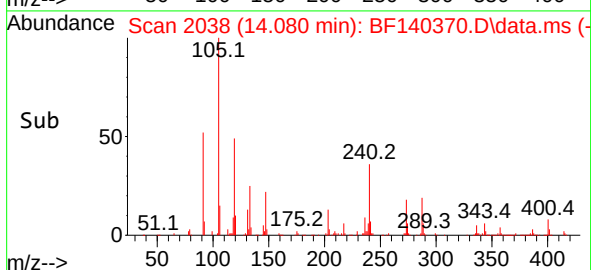
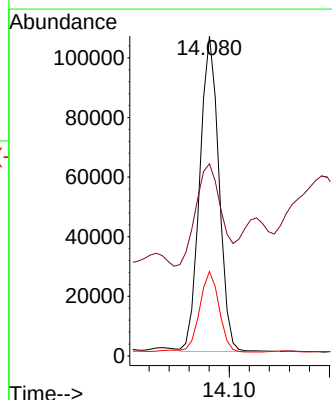
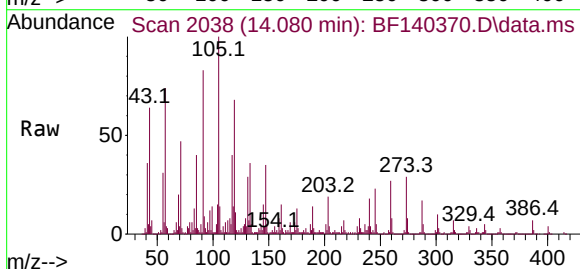
Tgt Ion:240 Resp: 140560

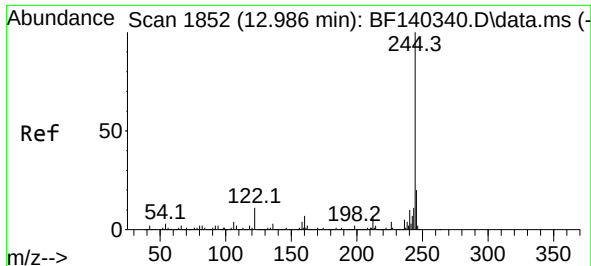
Ion Ratio Lower Upper

240 100

120 60.1 8.8 13.2#

236 26.4 20.9 31.3

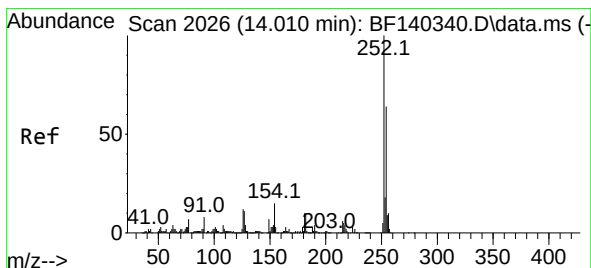
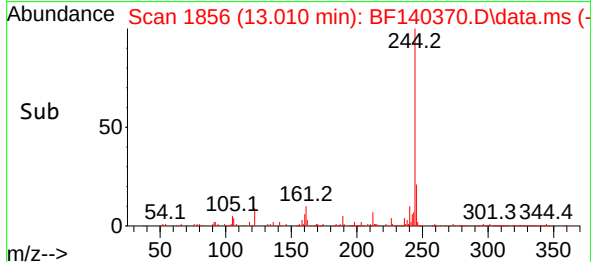
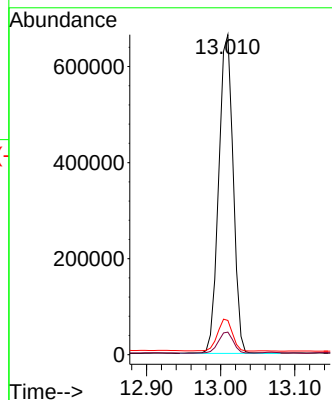
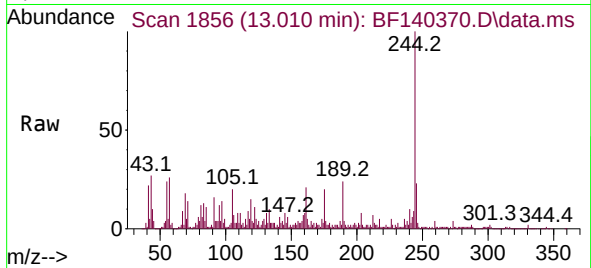




#79
 Terphenyl-d14
 Concen: 110.925 ng
 RT: 13.010 min Scan# 11
 Delta R.T. 0.023 min
 Lab File: BF140370.D
 Acq: 14 Nov 2024 18:51

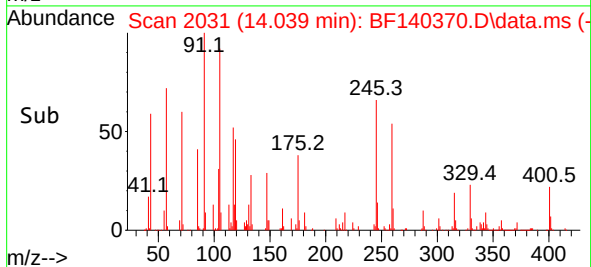
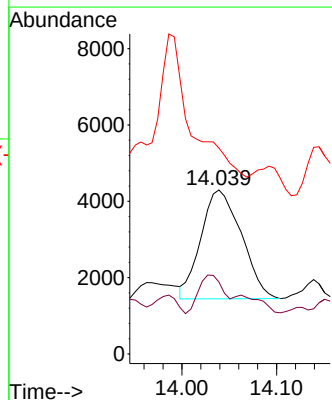
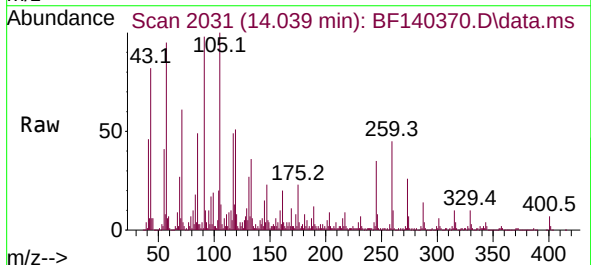
Instrument :
 BNA_F
 ClientSampleId :
 HINCHMAN-OILY-WATER

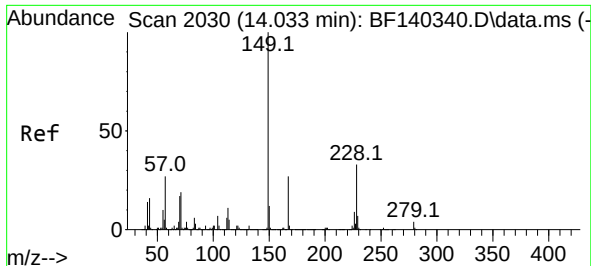
Tgt Ion:244 Resp: 898243
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.8
 122 10.7 8.8 13.2



#82
 3,3'-Dichlorobenzidine
 Concen: 2.880 ng
 RT: 14.039 min Scan# 2031
 Delta R.T. 0.041 min
 Lab File: BF140370.D
 Acq: 14 Nov 2024 18:51

Tgt Ion:252 Resp: 8456
 Ion Ratio Lower Upper
 252 100
 254 43.9 51.4 77.2#
 126 125.5 9.4 14.0#

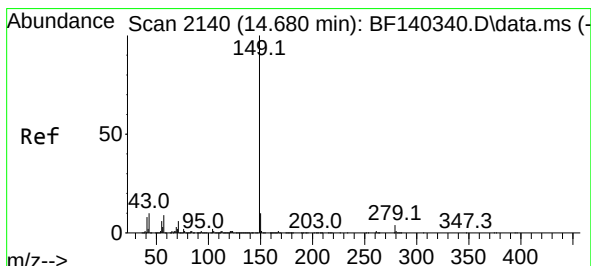
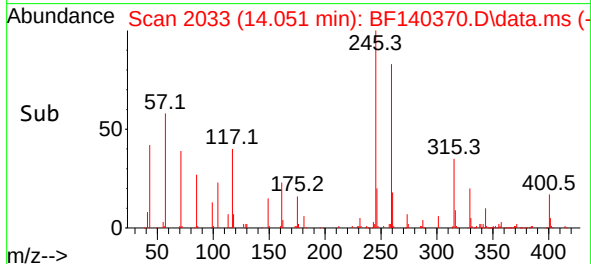
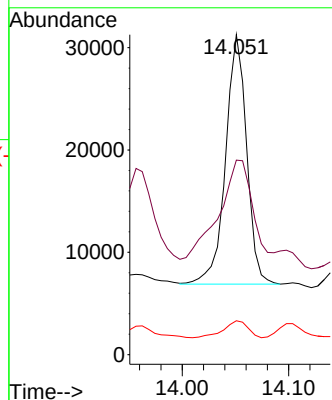
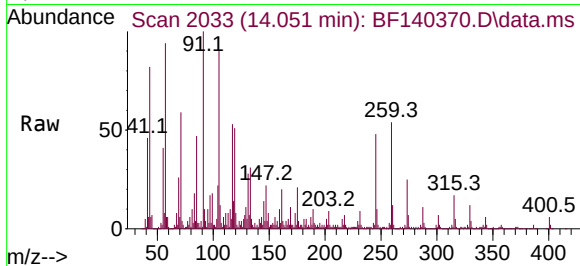




#84
Bis(2-ethylhexyl)phthalate
Concen: 5.421 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.029 min
Lab File: BF140370.D
Acq: 14 Nov 2024 18:51

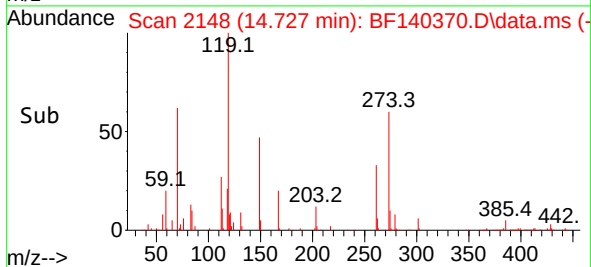
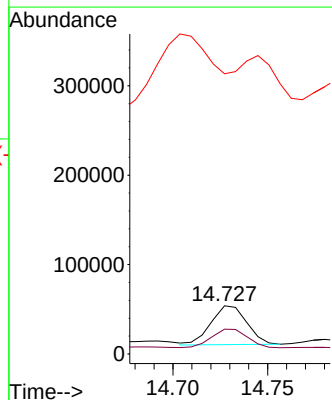
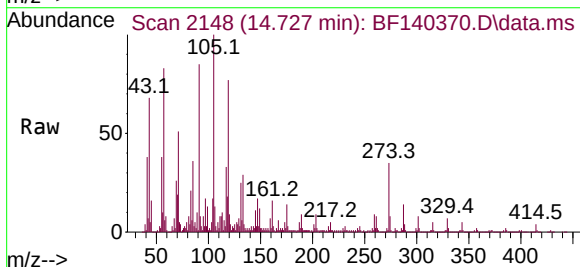
Instrument :
BNA_F
ClientSampleId :
HINCHMAN-OILY-WATER

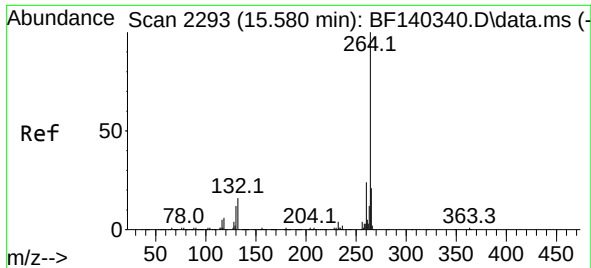
Tgt Ion:149 Resp: 33420
Ion Ratio Lower Upper
149 100
167 60.8 21.4 32.0#
279 10.6 3.0 4.6#



#85
Di-n-octyl phthalate
Concen: 6.566 ng
RT: 14.727 min Scan# 2148
Delta R.T. 0.065 min
Lab File: BF140370.D
Acq: 14 Nov 2024 18:51

Tgt Ion:149 Resp: 57006
Ion Ratio Lower Upper
149 100
167 47.0 1.2 1.8#
43 0.0 8.0 12.0#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.598 min Scan# 21
Delta R.T. 0.041 min
Lab File: BF140370.D
Acq: 14 Nov 2024 18:51

Instrument :
BNA_F
ClientSampleId :
HINCHMAN-OILY-WATER

Tgt Ion:264 Resp: 115864

Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.2	28.8
265	21.3	17.1	25.7

