

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030823\
 Data File : BF132703.D
 Acq On : 08 Mar 2023 22:07
 Operator : CG\JU
 Sample : 01829-10
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-10-20230306

Quant Time: Mar 09 00:41:43 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 07 13:42:31 2023
 Response via : Initial Calibration

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

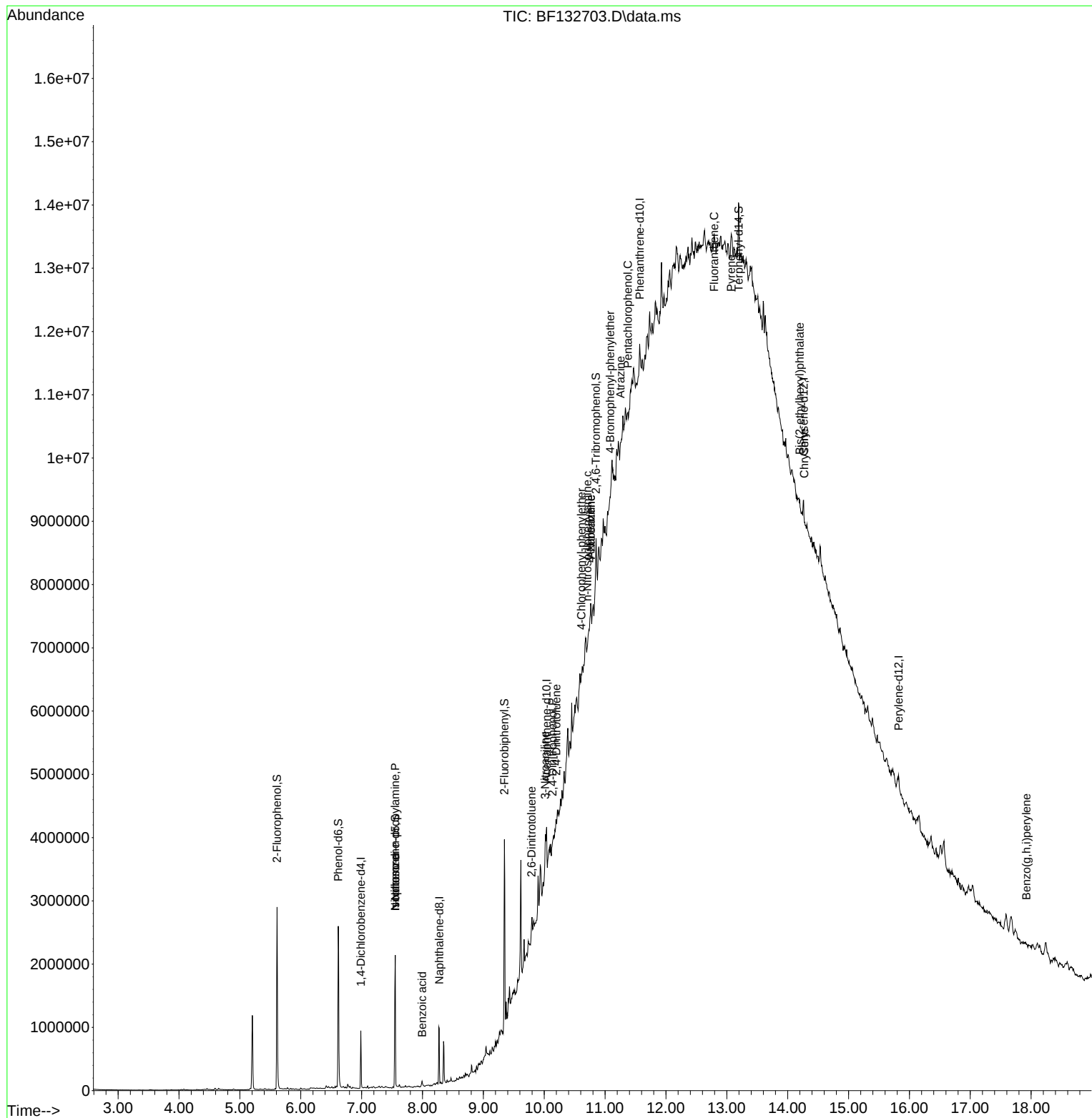
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.986	152	124239	20.000	ng	0.00
21) Naphthalene-d8	8.275	136	413738	20.000	ng	0.00
39) Acenaphthene-d10	10.039	164	153183	20.000	ng	0.00
64) Phenanthrene-d10	11.569	188	174570	20.000	ng	# 0.04
76) Chrysene-d12	14.262	240	146032	20.000	ng	# 0.06
86) Perylene-d12	15.821	264	130183	20.000	ng	# 0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.610	112	828868	108.277	ng	0.00
7) Phenol-d6	6.616	99	986653	98.759	ng	0.00
23) Nitrobenzene-d5	7.551	82	634434	72.752	ng	-0.01
42) 2,4,6-Tribromophenol	10.851	330	198016	119.697	ng	0.02
45) 2-Fluorobiphenyl	9.345	172	927609	92.206	ng	-0.01
79) Terphenyl-d14	13.198	244	631899	73.161	ng	0.07
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.551	70	84839	13.798	ng	# 77
25) Isophorone	7.551	82	634816	37.969	ng	# 67
32) Benzoic acid	7.992	122	13665	6.293	ng	96
51) 2,6-Dinitrotoluene	9.792	165	5860	2.307	ng	# 30
53) 3-Nitroaniline	10.016	138	21811	7.676	ng	# 15
54) 2,4-Dinitrophenol	10.139	184	760	2.309	ng	# 1
57) 2,4-Dinitrotoluene	10.198	165	17118	5.066	ng	# 31
61) 4-Chlorophenyl-phenyle...	10.610	204	11272	2.098	ng	# 1
62) 4-Nitroaniline	10.769	138	24367	8.736	ng	82
63) Azobenzene	10.763	77	51219	4.440	ng	# 45
66) n-Nitrosodiphenylamine	10.710	169	16271	2.990	ng	# 54
67) 4-Bromophenyl-phenylether	11.086	248	5831	2.953	ng	# 1
69) Atrazine	11.251	200	23272	13.697	ng	# 1
70) Pentachlorophenol	11.374	266	3985	3.224	ng	# 1
75) Fluoranthene	12.792	202	49071	4.963	ng	# 1
78) Pyrene	13.068	202	178456	13.441	ng	# 62
83) Chrysene	14.274	228	20588	2.015	ng	# 1
84) Bis(2-ethylhexyl)phtha...	14.198	149	50778	7.889	ng	# 89
92) Benzo(g,h,i)perylene	17.921	276	9179	2.744	ng	# 1

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

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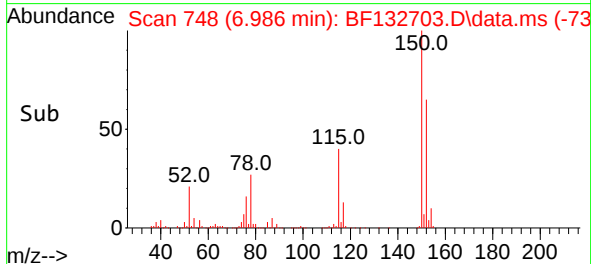
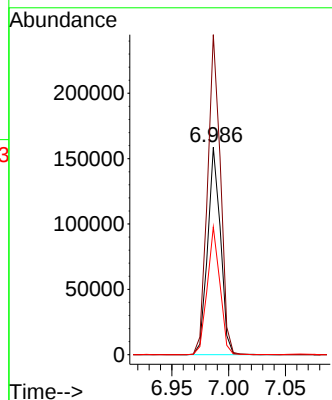
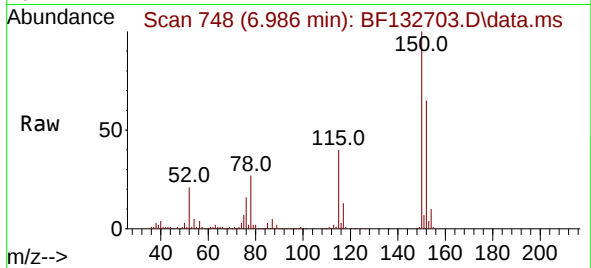




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.986 min Scan# 710
Delta R.T. -0.007 min
Lab File: BF132703.D
Acq: 08 Mar 2023 22:07

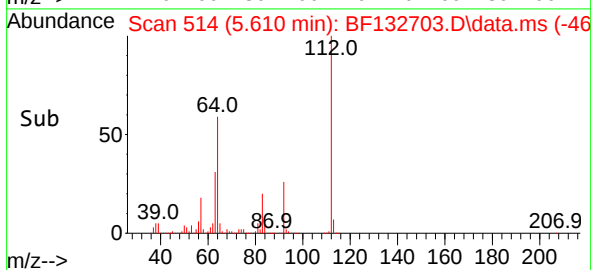
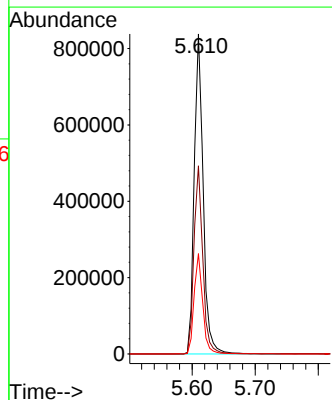
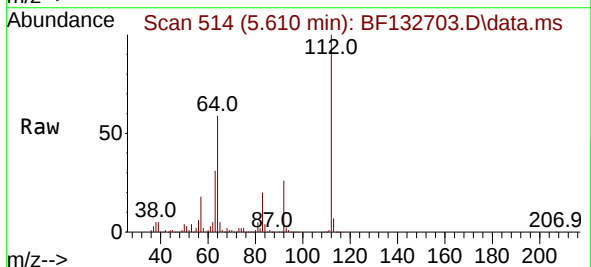
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BNA_F
ClientSampleId :
SS-10-20230306

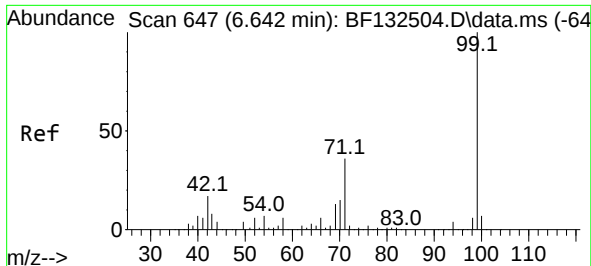
Tgt Ion:152 Resp: 124239
Ion Ratio Lower Upper
152 100
150 154.3 125.4 188.2
115 61.5 47.8 71.6



#5
2-Fluorophenol
Concen: 108.277 ng
RT: 5.610 min Scan# 514
Delta R.T. -0.006 min
Lab File: BF132703.D
Acq: 08 Mar 2023 22:07

Tgt Ion:112 Resp: 828868
Ion Ratio Lower Upper
112 100
64 58.8 51.6 77.4
63 31.4 27.4 41.2

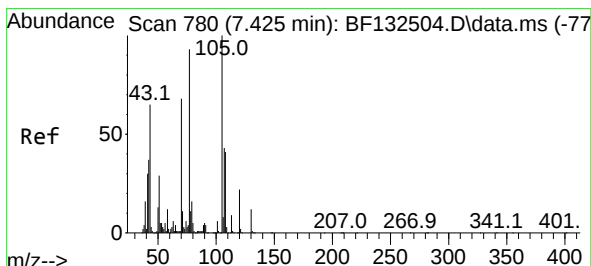
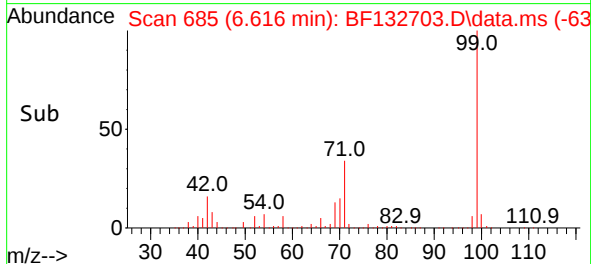
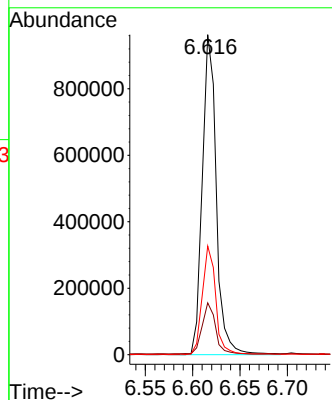
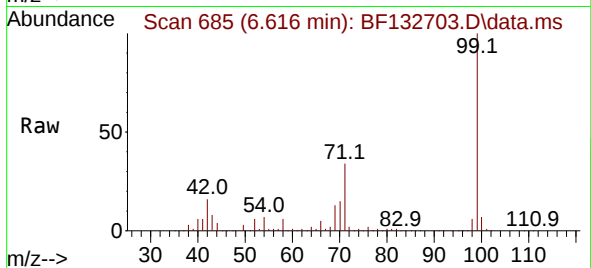




#7
Phenol-d6
Concen: 98.759 ng
RT: 6.616 min Scan# 61
Delta R.T. -0.006 min
Lab File: BF132703.D
Acq: 08 Mar 2023 22:07

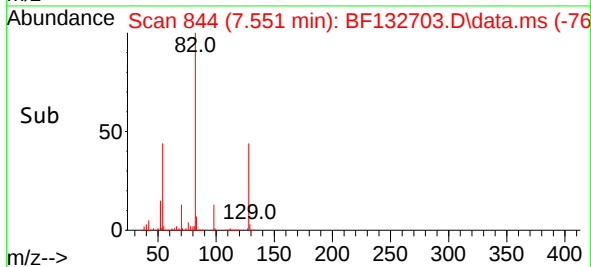
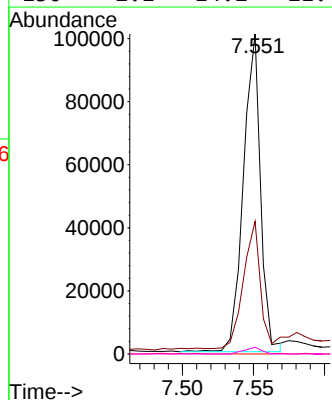
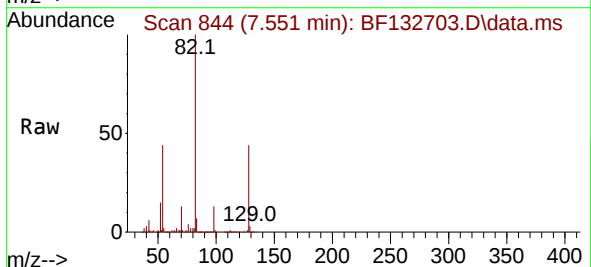
Instrument :
BNA_F
ClientSampleId :
SS-10-20230306

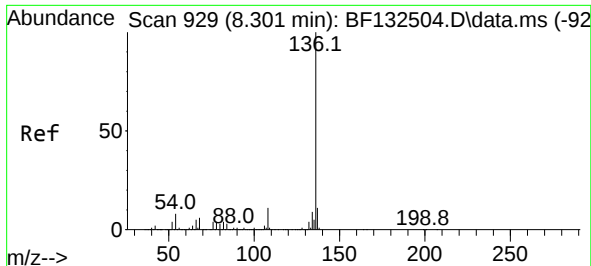
Tgt Ion: 99 Resp: 986653
Ion Ratio Lower Upper
99 100
42 16.2 13.9 20.9
71 34.0 28.5 42.7



#19
n-Nitroso-di-n-propylamine
Concen: 13.798 ng
RT: 7.551 min Scan# 844
Delta R.T. 0.147 min
Lab File: BF132703.D
Acq: 08 Mar 2023 22:07

Tgt Ion: 70 Resp: 84839
Ion Ratio Lower Upper
70 100
42 41.5 44.1 66.1#
101 0.0 7.4 11.2#
130 2.1 14.2 21.4#



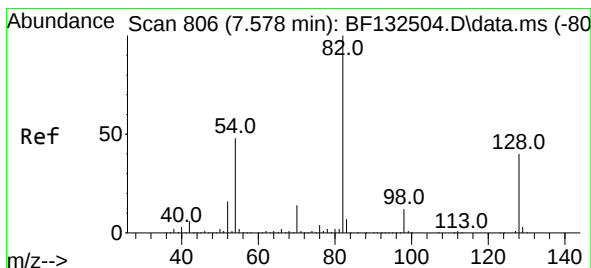
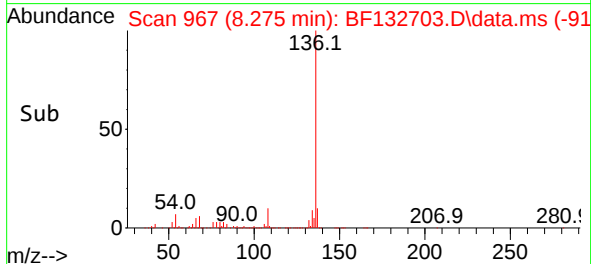
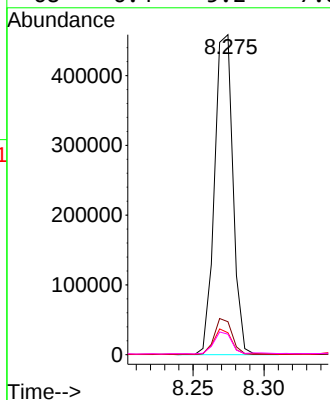
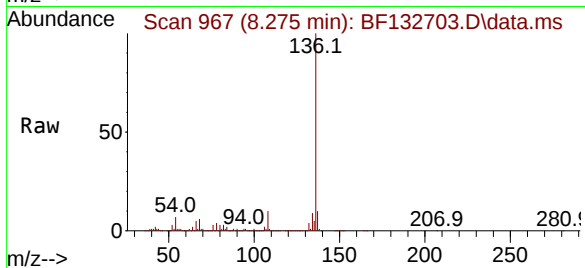


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.275 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF132703.D
Acq: 08 Mar 2023 22:07

Instrument :
BNA_F
ClientSampleId :
SS-10-20230306

Tgt Ion:136 Resp: 413738

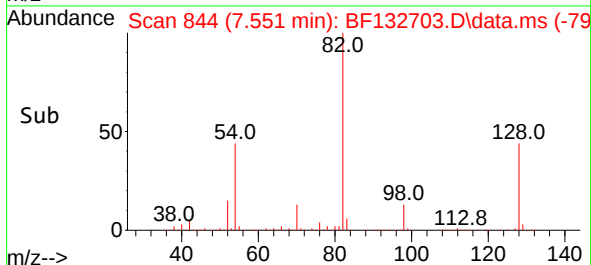
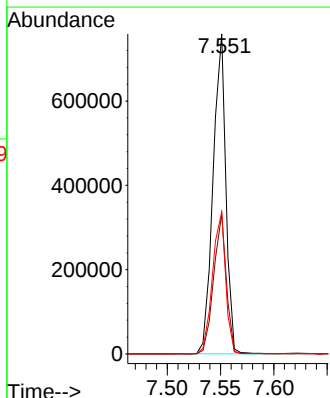
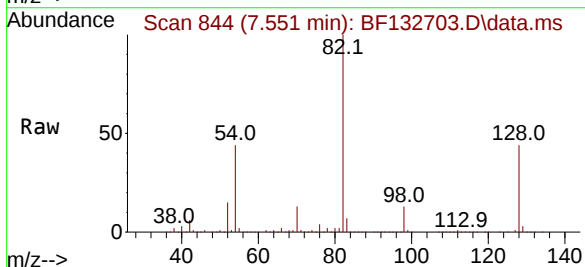
Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.9	13.3
54	6.9	6.2	9.4
68	6.4	5.2	7.8

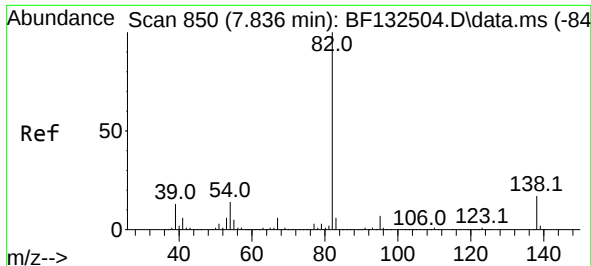


#23
Nitrobenzene-d5
Concen: 72.752 ng
RT: 7.551 min Scan# 844
Delta R.T. -0.012 min
Lab File: BF132703.D
Acq: 08 Mar 2023 22:07

Tgt Ion: 82 Resp: 634434

Ion	Ratio	Lower	Upper
82	100		
128	43.8	32.2	48.2
54	44.3	38.4	57.6

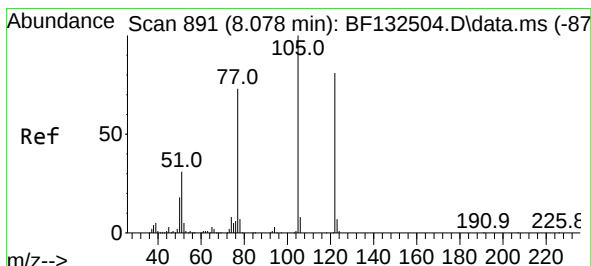
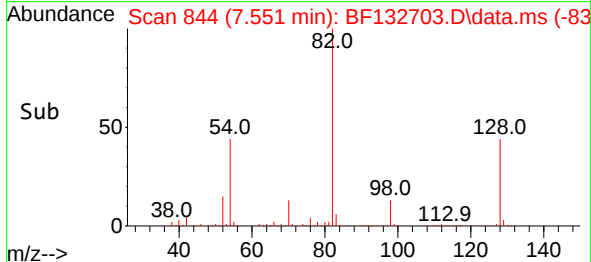
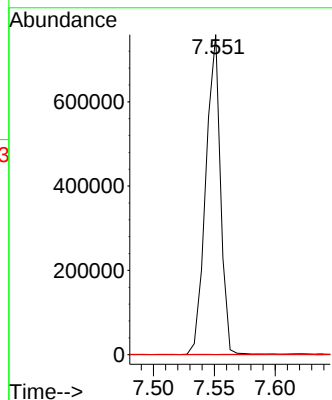
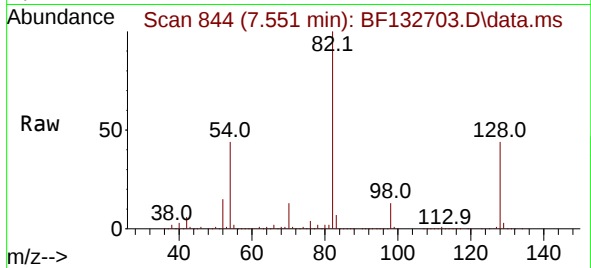




#25
Isophorone
Concen: 37.969 ng
RT: 7.551 min Scan# 84
Delta R.T. -0.265 min
Lab File: BF132703.D
Acq: 08 Mar 2023 22:07

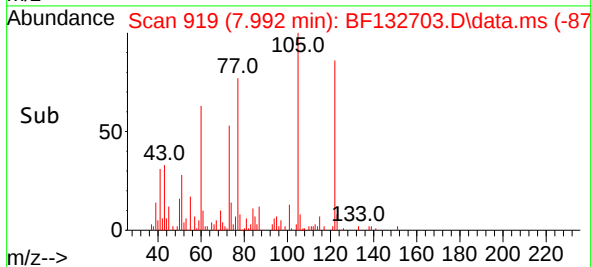
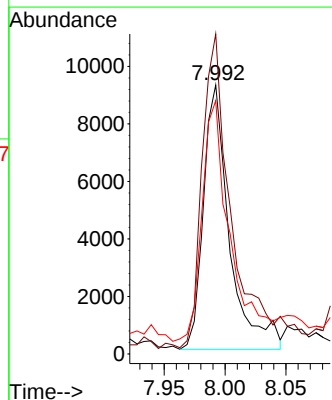
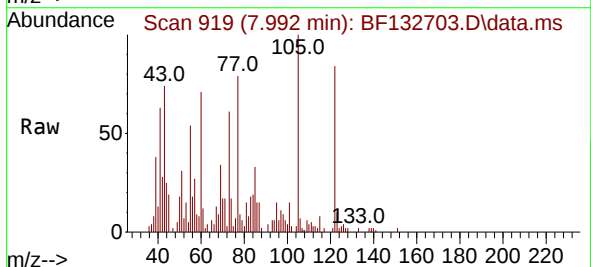
Instrument :
BNA_F
ClientSampleId :
SS-10-20230306

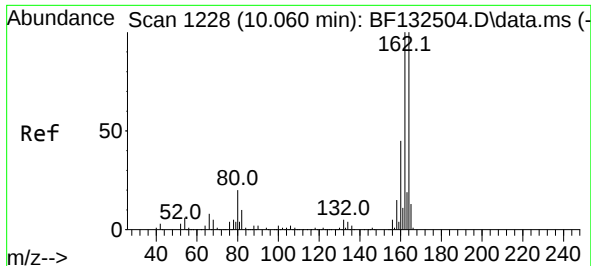
Tgt Ion: 82 Resp: 634816
Ion Ratio Lower Upper
82 100
95 0.1 5.7 8.5#
138 0.0 13.3 19.9#



#32
Benzoic acid
Concen: 6.293 ng
RT: 7.992 min Scan# 919
Delta R.T. -0.065 min
Lab File: BF132703.D
Acq: 08 Mar 2023 22:07

Tgt Ion: 122 Resp: 13665
Ion Ratio Lower Upper
122 100
105 119.0 102.6 142.6
77 94.2 70.2 110.2

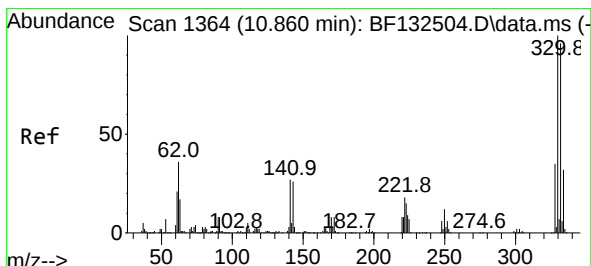
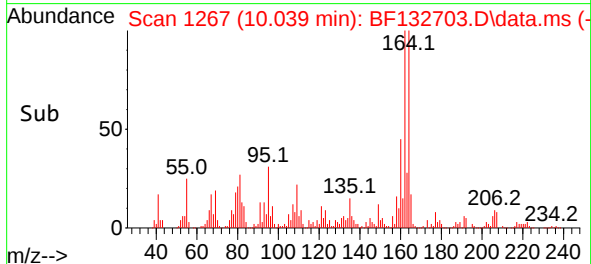
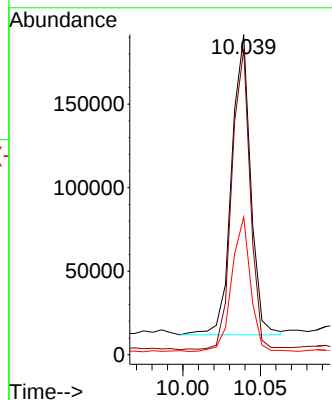
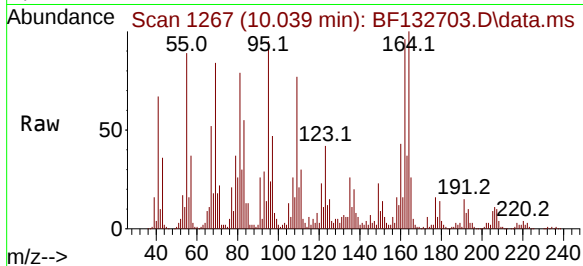




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.039 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF132703.D
Acq: 08 Mar 2023 22:07

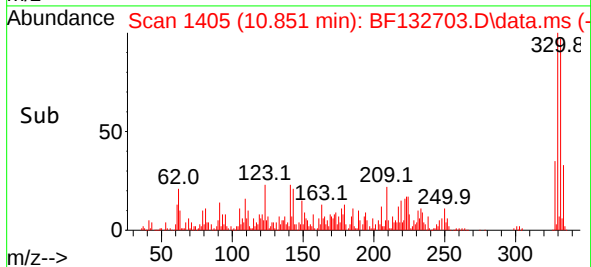
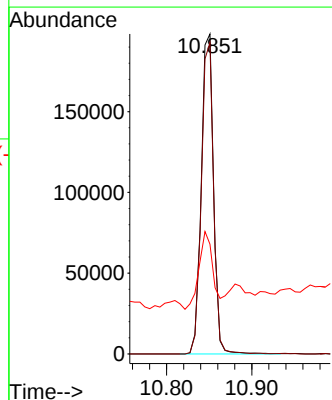
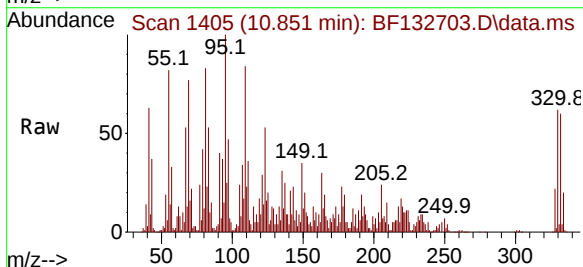
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ClientSampleId :
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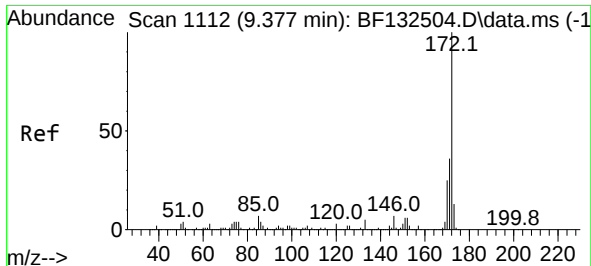
Tgt Ion:164 Resp: 153183
Ion Ratio Lower Upper
164 100
162 95.5 79.8 119.8
160 43.0 35.8 53.6



#42
2,4,6-Tribromophenol
Concen: 119.697 ng
RT: 10.851 min Scan# 1405
Delta R.T. 0.017 min
Lab File: BF132703.D
Acq: 08 Mar 2023 22:07

Tgt Ion:330 Resp: 198016
Ion Ratio Lower Upper
330 100
332 96.8 76.2 114.4
141 27.1 28.4 42.6#

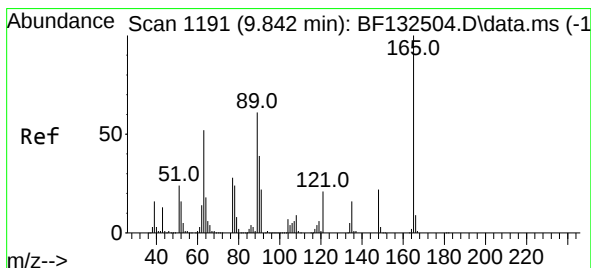
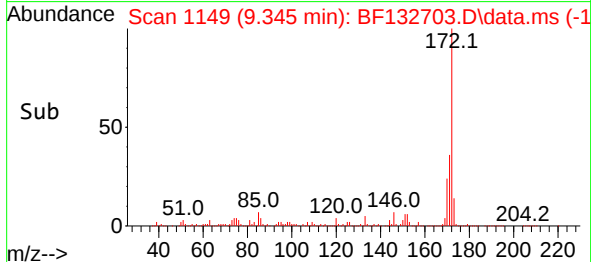
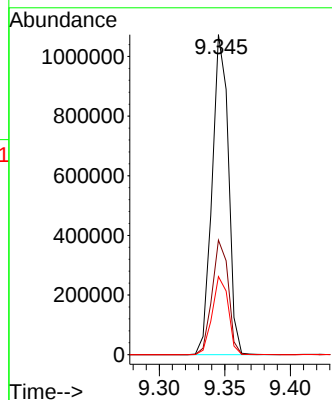
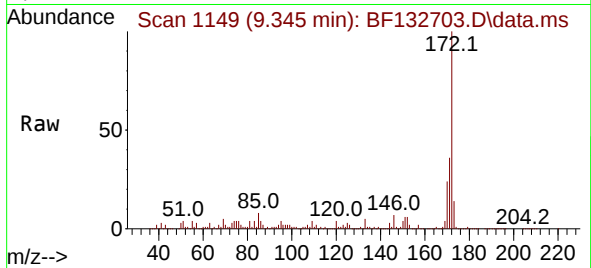




#45
2-Fluorobiphenyl
Concen: 92.206 ng
RT: 9.345 min Scan# 1112
Delta R.T. -0.012 min
Lab File: BF132703.D
Acq: 08 Mar 2023 22:07

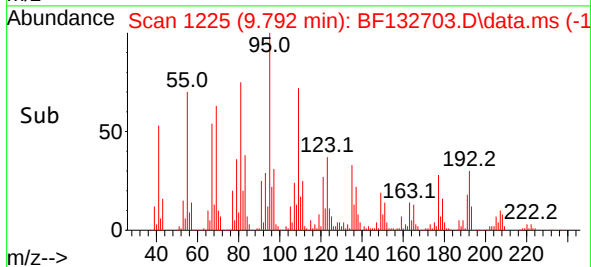
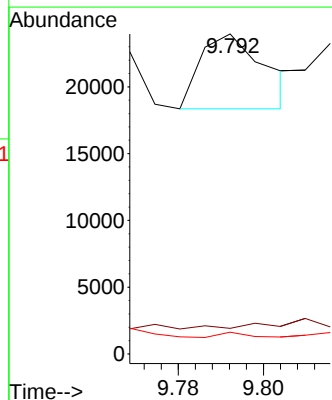
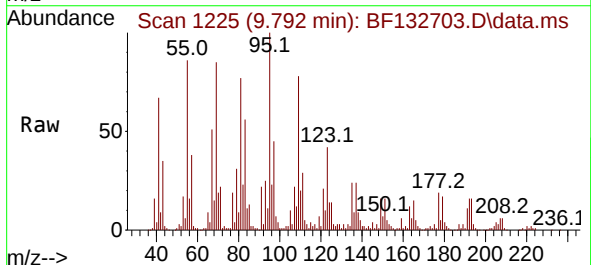
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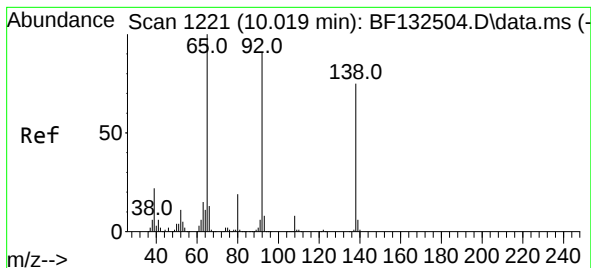
Tgt Ion:172 Resp: 927609
Ion Ratio Lower Upper
172 100
171 35.8 28.8 43.2
170 24.4 19.7 29.5



#51
2,6-Dinitrotoluene
Concen: 2.307 ng
RT: 9.792 min Scan# 1225
Delta R.T. -0.030 min
Lab File: BF132703.D
Acq: 08 Mar 2023 22:07

Tgt Ion:165 Resp: 5860
Ion Ratio Lower Upper
165 100
63 8.0 47.3 70.9#
89 6.8 48.9 73.3#

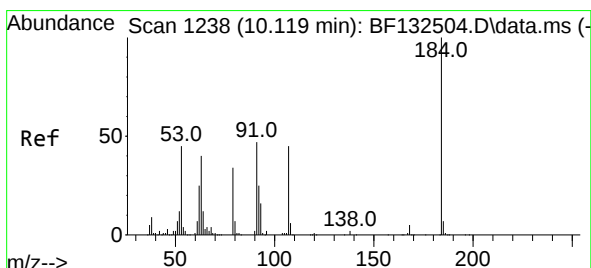
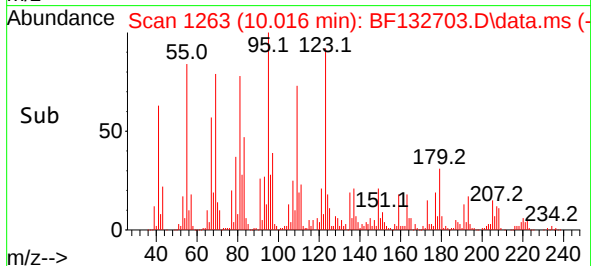
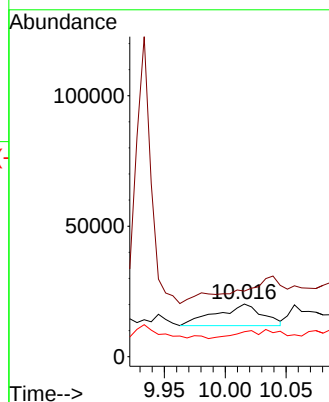
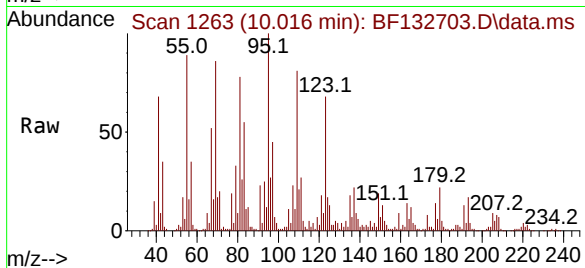




#53
3-Nitroaniline
Concen: 7.676 ng
RT: 10.016 min Scan# 11
Delta R.T. 0.017 min
Lab File: BF132703.D
Acq: 08 Mar 2023 22:07

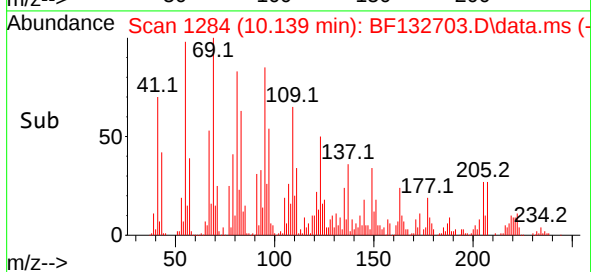
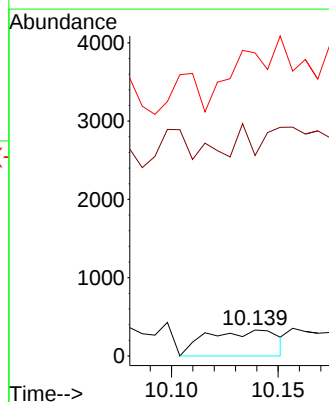
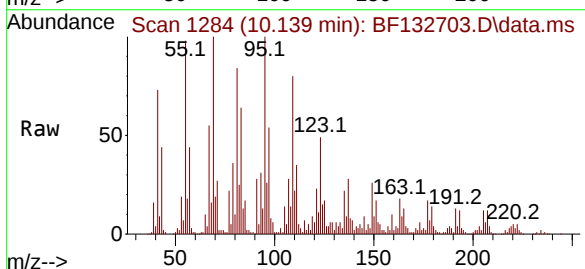
Instrument :
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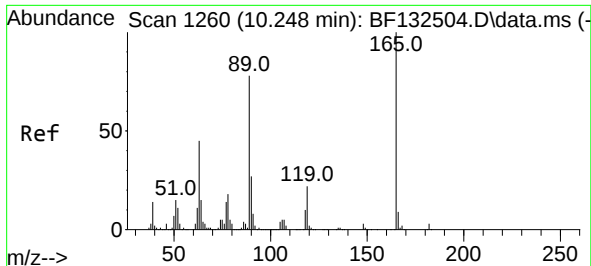
Tgt Ion:138 Resp: 21811
Ion Ratio Lower Upper
138 100
108 124.8 8.1 12.1#
92 47.4 97.2 145.8#



#54
2,4-Dinitrophenol
Concen: 2.309 ng
RT: 10.139 min Scan# 1284
Delta R.T. 0.035 min
Lab File: BF132703.D
Acq: 08 Mar 2023 22:07

Tgt Ion:184 Resp: 760
Ion Ratio Lower Upper
184 100
63 776.4 51.4 77.2#
154 1173.3 48.3 72.5#

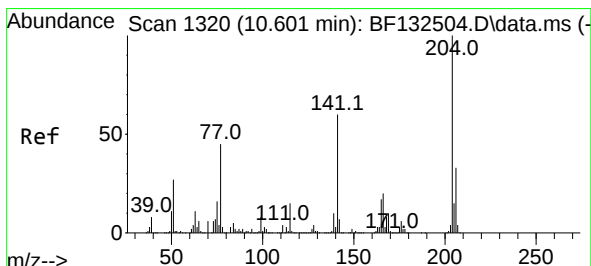
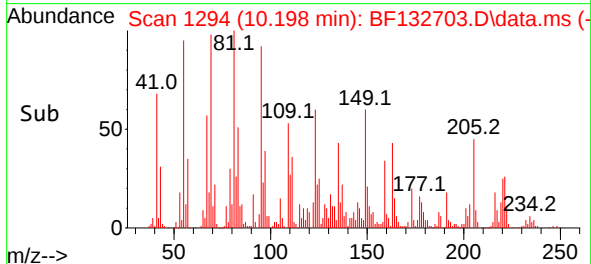
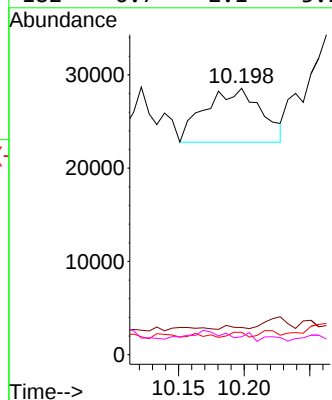
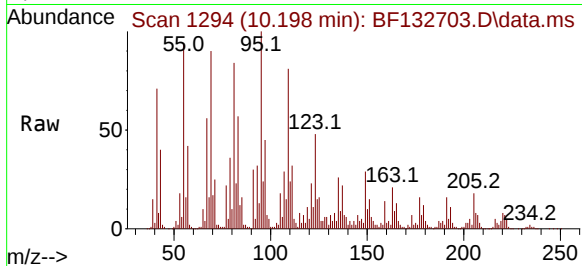




#57
2,4-Dinitrotoluene
Concen: 5.066 ng
RT: 10.198 min Scan# 11
Delta R.T. -0.030 min
Lab File: BF132703.D
Acq: 08 Mar 2023 22:07

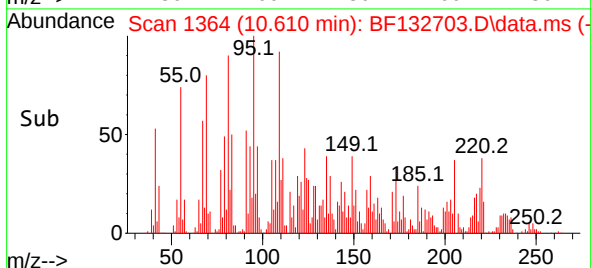
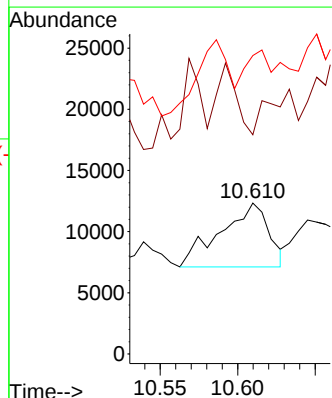
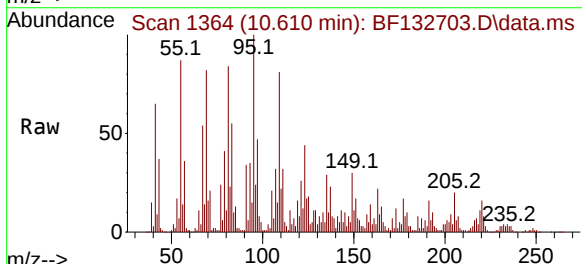
Instrument :
BNA_F
ClientSampleId :
SS-10-20230306

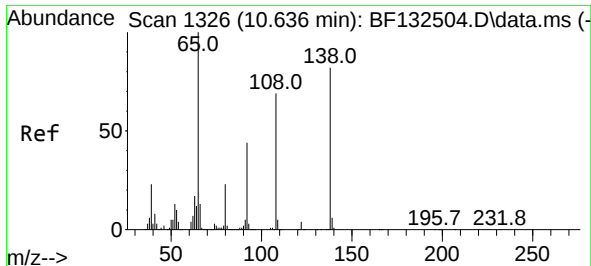
Tgt Ion:165 Resp: 17118
Ion Ratio Lower Upper
165 100
63 10.2 36.5 54.7#
89 8.4 62.4 93.6#
182 6.7 2.1 3.1#



#61
4-Chlorophenyl-phenylether
Concen: 2.098 ng
RT: 10.610 min Scan# 1364
Delta R.T. 0.029 min
Lab File: BF132703.D
Acq: 08 Mar 2023 22:07

Tgt Ion:204 Resp: 11272
Ion Ratio Lower Upper
204 100
206 145.3 26.3 39.5#
141 197.8 47.8 71.8#

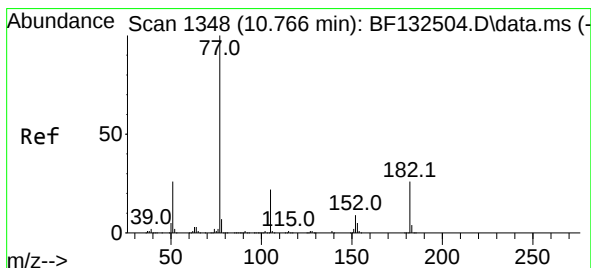
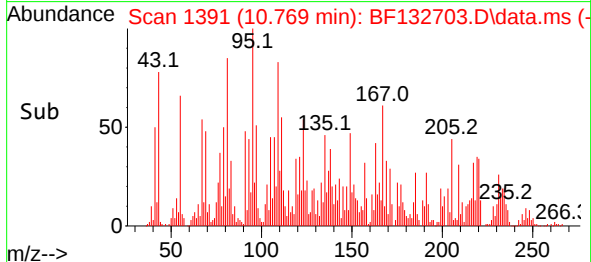
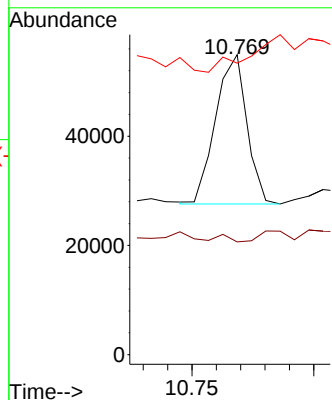
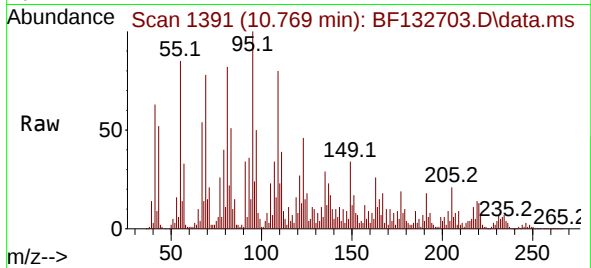




#62
4-Nitroaniline
Concen: 8.736 ng
RT: 10.769 min Scan# 1391
Delta R.T. 0.153 min
Lab File: BF132703.D
Acq: 08 Mar 2023 22:07

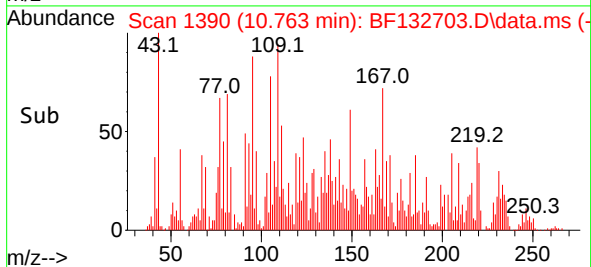
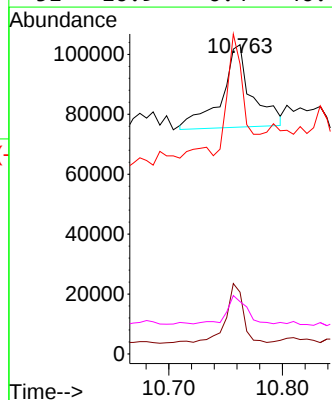
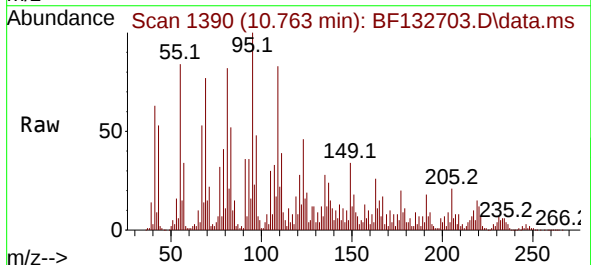
Instrument :
BNA_F
ClientSampleId :
SS-10-20230306

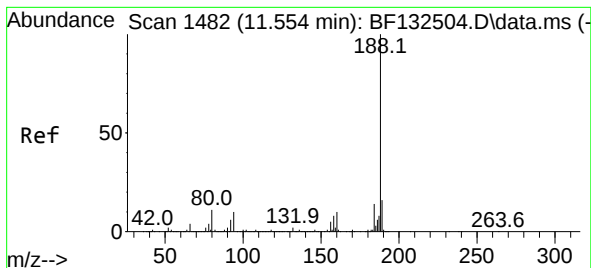
Tgt Ion:138 Resp: 24367
Ion Ratio Lower Upper
138 100
92 37.6 33.8 73.8
108 97.2 63.7 103.7



#63
Azobenzene
Concen: 4.440 ng
RT: 10.763 min Scan# 1390
Delta R.T. 0.023 min
Lab File: BF132703.D
Acq: 08 Mar 2023 22:07

Tgt Ion: 77 Resp: 51219
Ion Ratio Lower Upper
77 100
182 20.0 5.5 45.5
105 93.7 1.8 41.8#
51 16.9 6.4 46.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.569 min Scan# 1

Delta R.T. 0.035 min

Lab File: BF132703.D

Acq: 08 Mar 2023 22:07

Instrument :

BNA_F

ClientSampleId :

SS-10-20230306

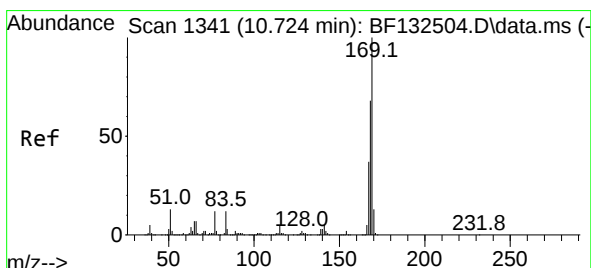
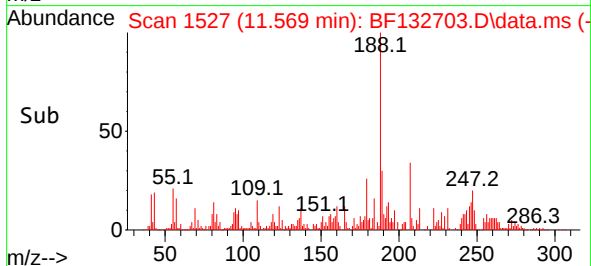
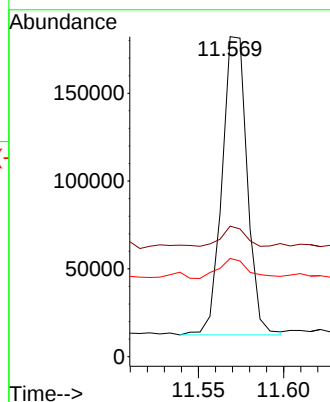
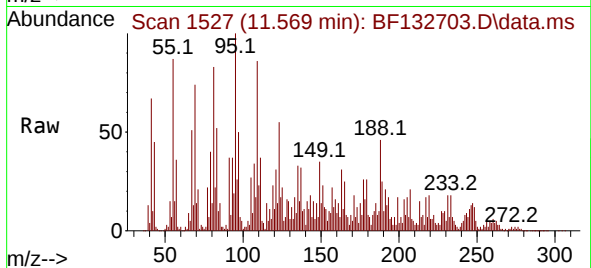
Tgt Ion:188 Resp: 174570

Ion Ratio Lower Upper

188 100

94 40.8 8.3 12.5#

80 30.7 8.7 13.1#



#66

n-Nitrosodiphenylamine

Concen: 2.990 ng

RT: 10.710 min Scan# 1381

Delta R.T. 0.012 min

Lab File: BF132703.D

Acq: 08 Mar 2023 22:07

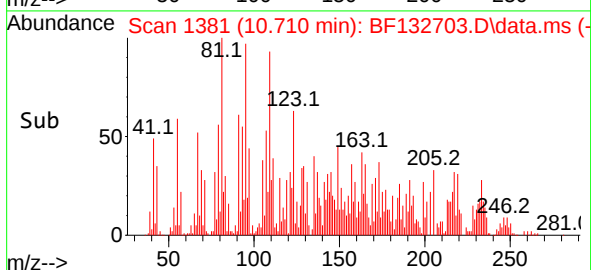
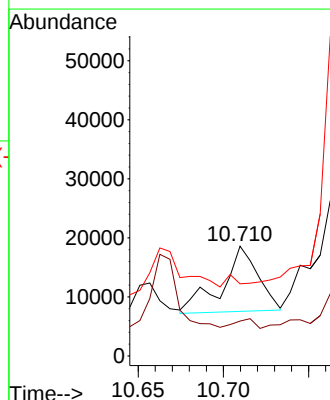
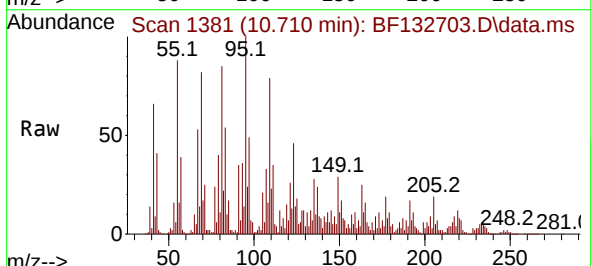
Tgt Ion:169 Resp: 16271

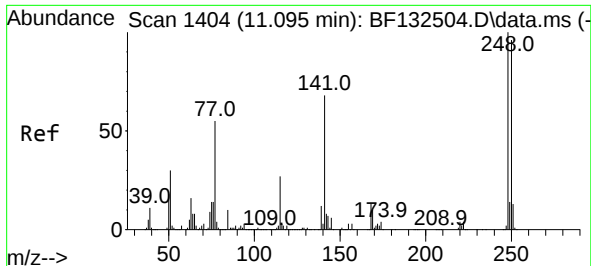
Ion Ratio Lower Upper

169 100

168 31.8 54.2 81.4#

167 65.8 29.6 44.4#





#67

4-Bromophenyl-phenylether

Concen: 2.953 ng

RT: 11.086 min Scan# 1445

Delta R.T. 0.012 min

Lab File: BF132703.D

Acq: 08 Mar 2023 22:07

Instrument :

BNA_F

ClientSampleId :

SS-10-20230306

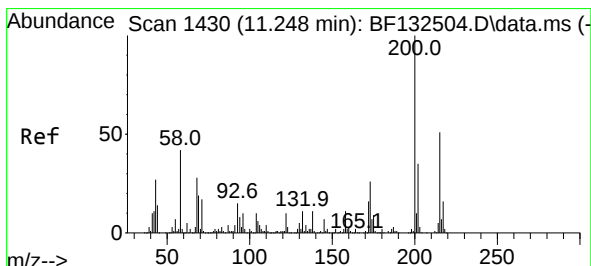
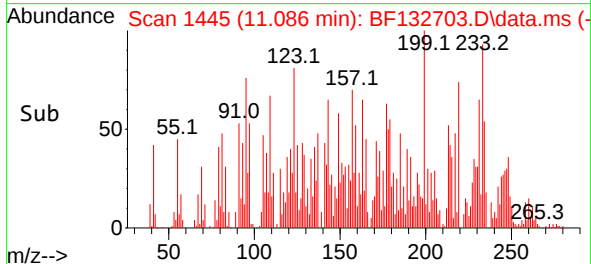
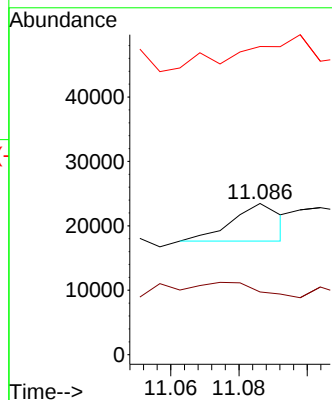
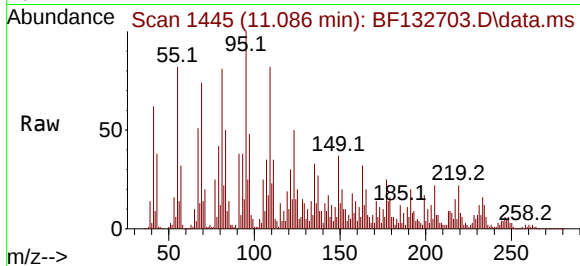
Tgt Ion:248 Resp: 5831

Ion Ratio Lower Upper

248 100

250 41.5 77.0 115.4#

141 203.9 54.2 81.2#



#69

Atrazine

Concen: 13.697 ng

RT: 11.251 min Scan# 1473

Delta R.T. 0.029 min

Lab File: BF132703.D

Acq: 08 Mar 2023 22:07

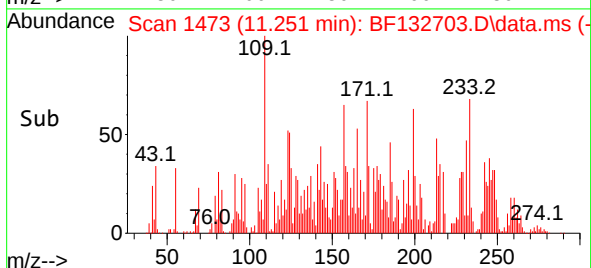
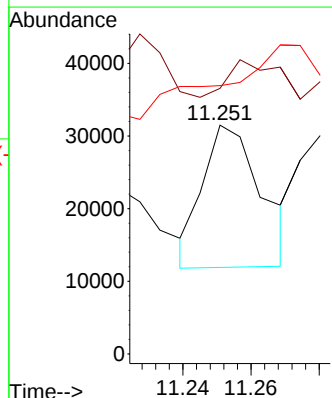
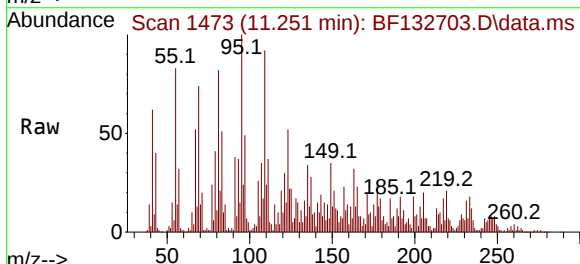
Tgt Ion:200 Resp: 23272

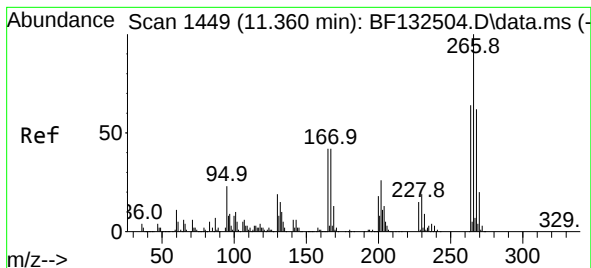
Ion Ratio Lower Upper

200 100

173 116.1 6.4 46.4#

215 117.3 31.0 71.0#





#70

Pentachlorophenol

Concen: 3.224 ng

RT: 11.374 min Scan# 1449

Delta R.T. 0.035 min

Lab File: BF132703.D

Acq: 08 Mar 2023 22:07

Instrument :

BNA_F

ClientSampleId :

SS-10-20230306

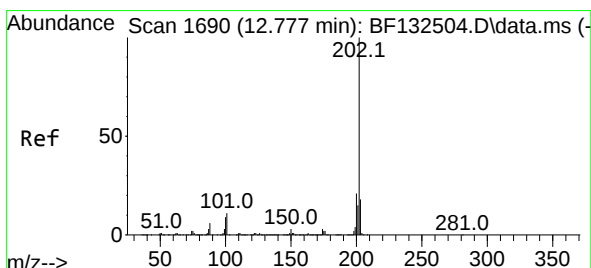
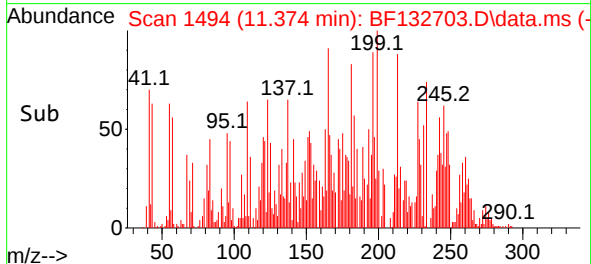
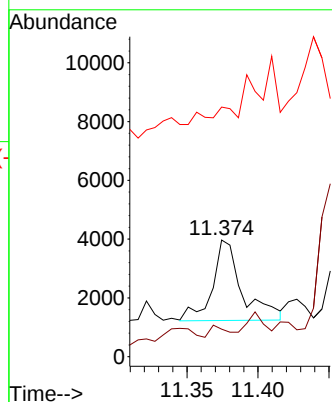
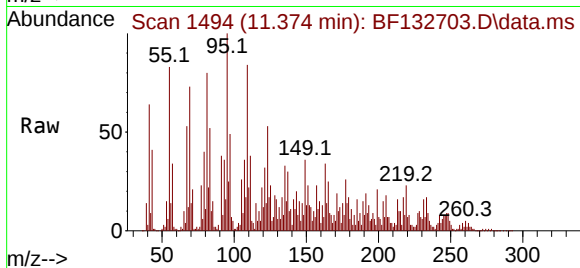
Tgt Ion:266 Resp: 3985

Ion Ratio Lower Upper

266 100

268 23.6 49.8 74.6#

264 214.1 50.9 76.3#



#75

Fluoranthene

Concen: 4.963 ng

RT: 12.792 min Scan# 1735

Delta R.T. 0.035 min

Lab File: BF132703.D

Acq: 08 Mar 2023 22:07

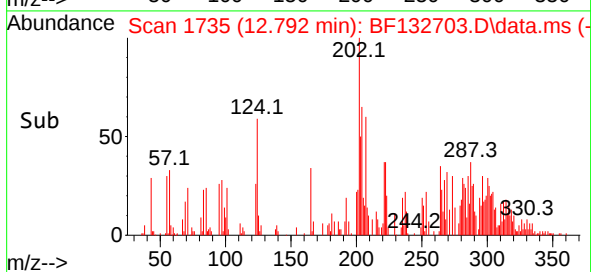
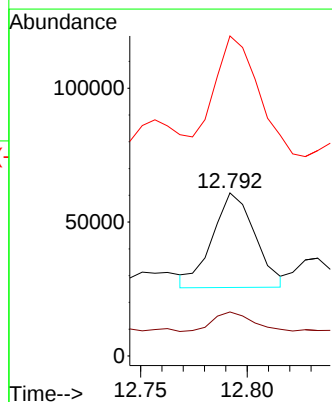
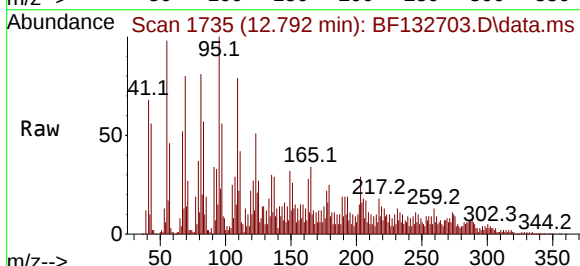
Tgt Ion:202 Resp: 49071

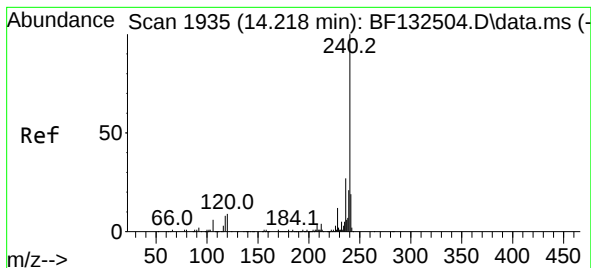
Ion Ratio Lower Upper

202 100

101 27.0 0.0 31.4

203 196.3 0.0 38.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.262 min Scan# 1935

Delta R.T. 0.064 min

Lab File: BF132703.D

Acq: 08 Mar 2023 22:07

Instrument :

BNA_F

ClientSampleId :

SS-10-20230306

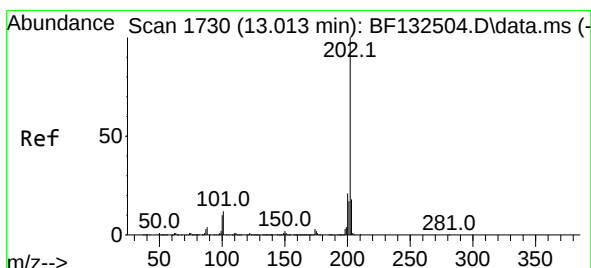
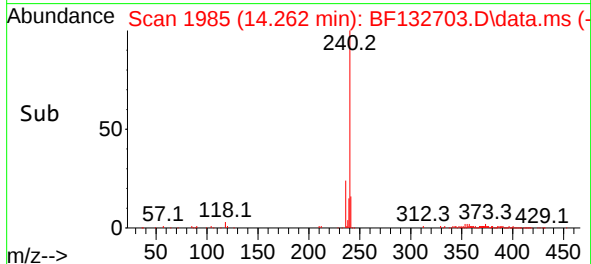
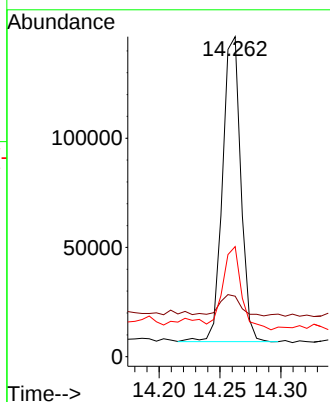
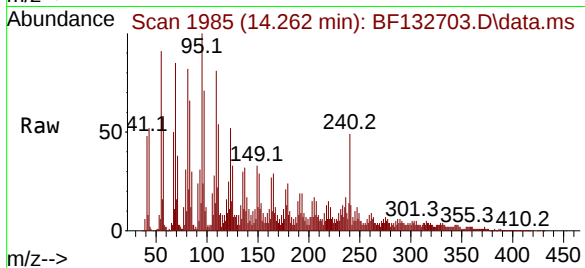
Tgt Ion:240 Resp: 146032

Ion Ratio Lower Upper

240 100

120 18.9 7.2 10.8#

236 34.4 21.8 32.6#



#78

Pyrene

Concen: 13.441 ng

RT: 13.068 min Scan# 1782

Delta R.T. 0.076 min

Lab File: BF132703.D

Acq: 08 Mar 2023 22:07

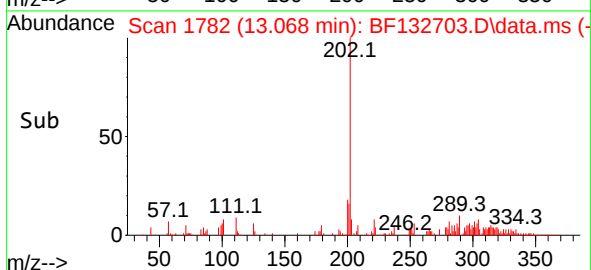
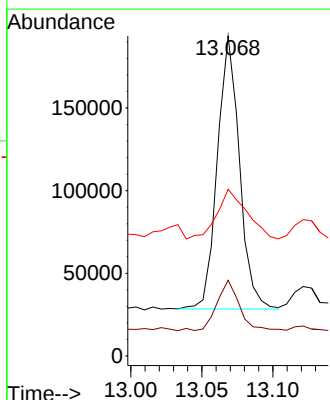
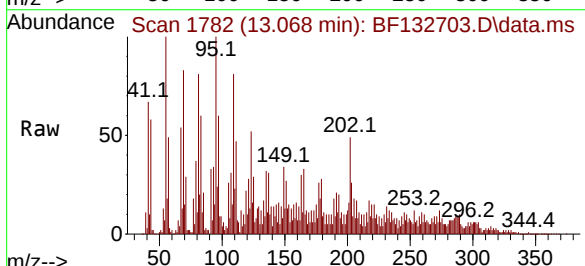
Tgt Ion:202 Resp: 178456

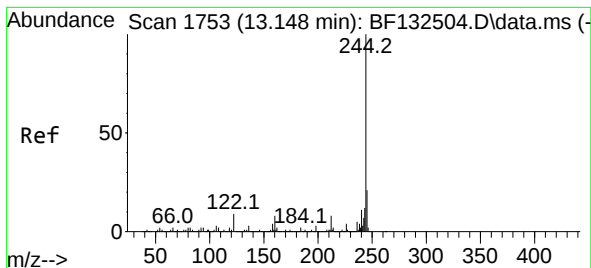
Ion Ratio Lower Upper

202 100

200 23.7 17.1 25.7

203 52.1 14.6 21.8#





#79

Terphenyl-d14

Concen: 73.161 ng

RT: 13.198 min Scan# 1

Delta R.T. 0.070 min

Lab File: BF132703.D

Acq: 08 Mar 2023 22:07

Instrument :

BNA_F

ClientSampleId :

SS-10-20230306

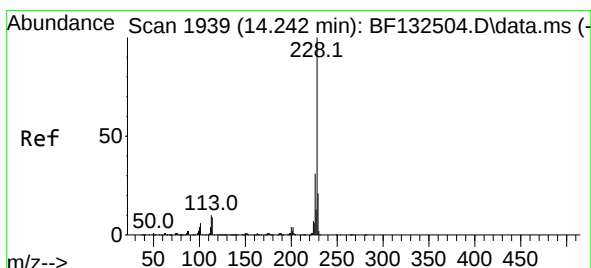
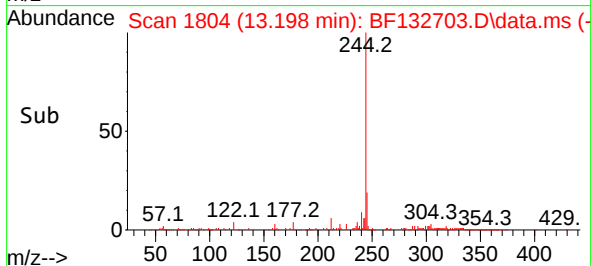
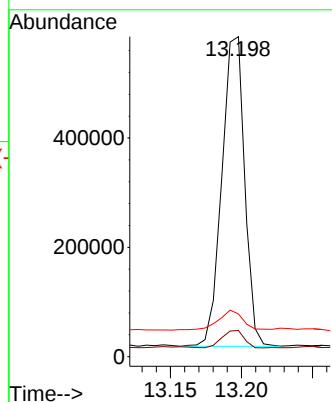
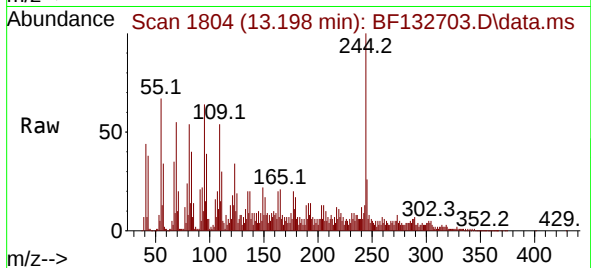
Tgt Ion:244 Resp: 631899

Ion Ratio Lower Upper

244 100

212 8.2 6.5 9.7

122 13.4 7.5 11.3#



#83

Chrysene

Concen: 2.015 ng

RT: 14.274 min Scan# 1987

Delta R.T. 0.053 min

Lab File: BF132703.D

Acq: 08 Mar 2023 22:07

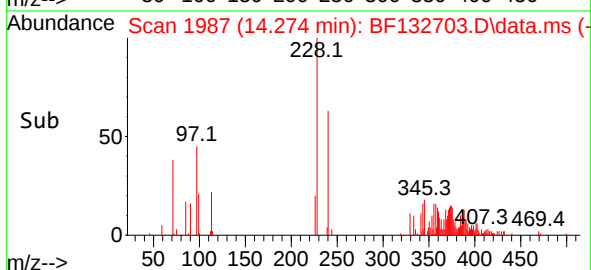
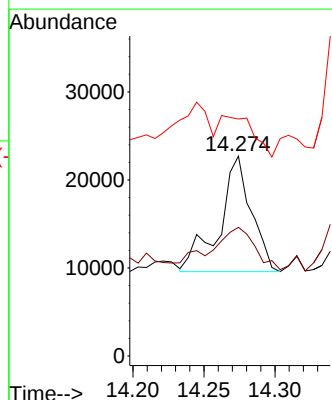
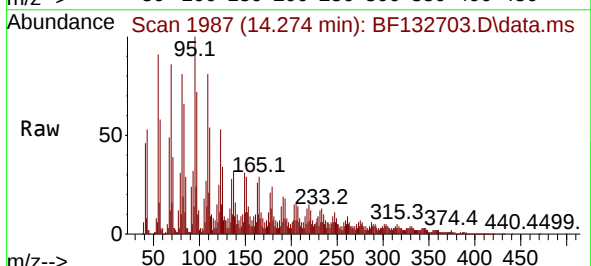
Tgt Ion:228 Resp: 20588

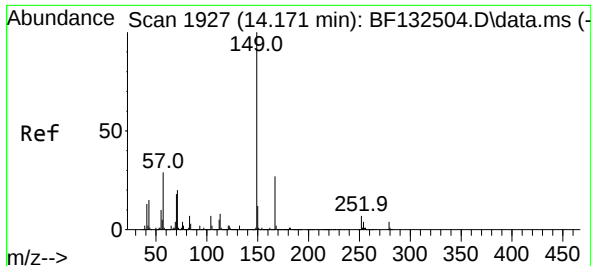
Ion Ratio Lower Upper

228 100

226 64.4 25.0 37.6#

229 118.6 16.4 24.6#

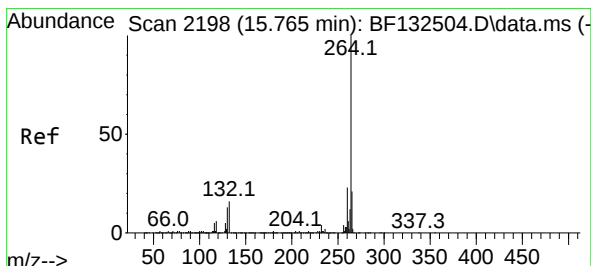
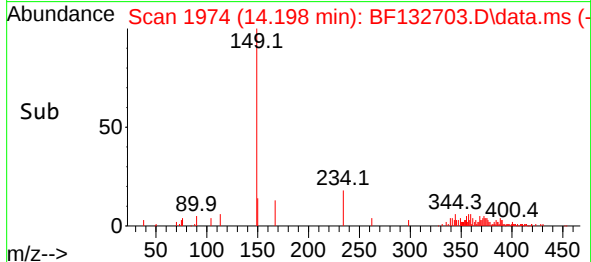
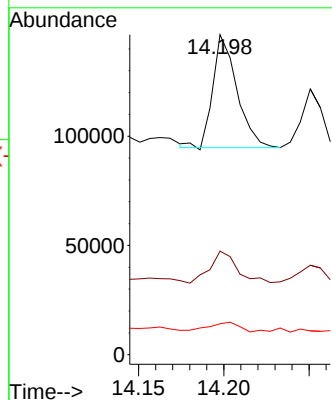
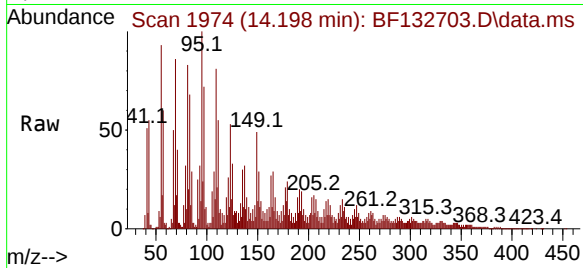




#84
Bis(2-ethylhexyl)phthalate
Concen: 7.889 ng
RT: 14.198 min Scan# 1927
Delta R.T. 0.047 min
Lab File: BF132703.D
Acq: 08 Mar 2023 22:07

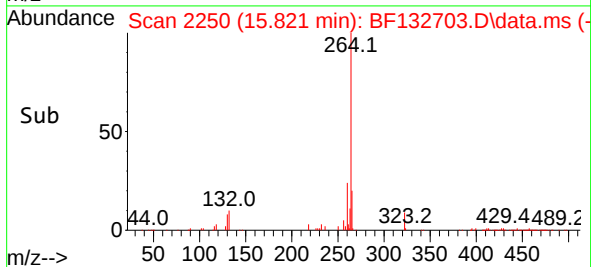
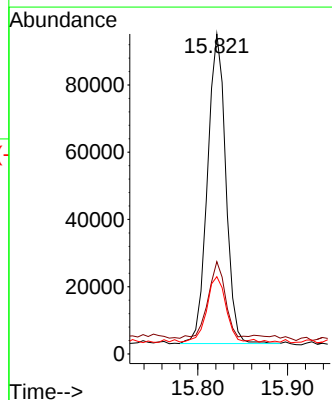
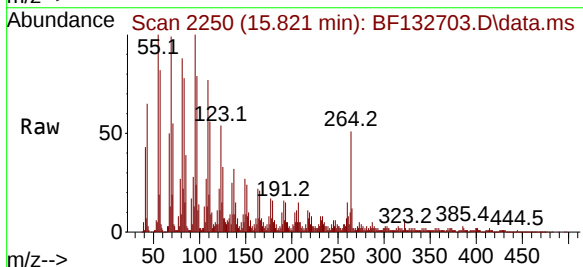
Instrument :
BNA_F
ClientSampleId :
SS-10-20230306

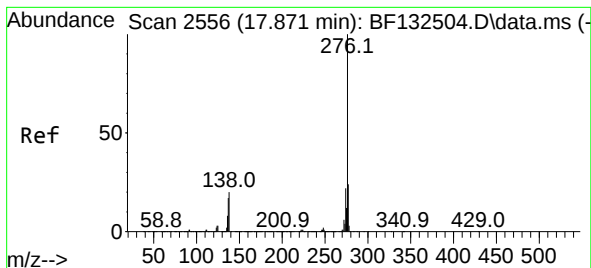
Tgt Ion:149 Resp: 50778
Ion Ratio Lower Upper
149 100
167 32.4 21.8 32.6
279 9.7 3.0 4.6#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.821 min Scan# 2250
Delta R.T. 0.082 min
Lab File: BF132703.D
Acq: 08 Mar 2023 22:07

Tgt Ion:264 Resp: 130183
Ion Ratio Lower Upper
264 100
260 28.9 18.8 28.2#
265 24.2 17.1 25.7





#92

Benzo(g,h,i)perylene

Concen: 2.744 ng

RT: 17.921 min Scan# 20

Delta R.T. 0.088 min

Lab File: BF132703.D

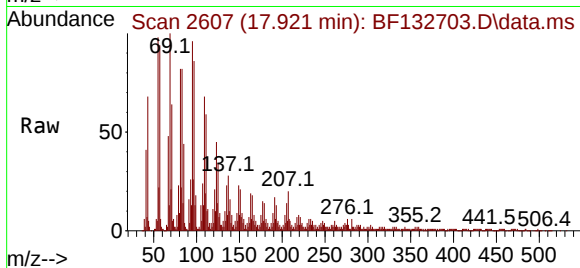
Acq: 08 Mar 2023 22:07

Instrument :

BNA_F

ClientSampleId :

SS-10-20230306



Tgt Ion:276 Resp: 9179

Ion Ratio Lower Upper

276 100

277 55.4 18.9 28.3#

138 170.0 16.2 24.4#

