

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101623\
 Data File : BF135794.D
 Acq On : 17 Oct 2023 00:27
 Operator : CG\JU
 Sample : 04798-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FRIABLE-ASBESTOS-SAMPLE

Quant Time: Oct 17 02:00:31 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 17 01:22:00 2023
 Response via : Initial Calibration

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

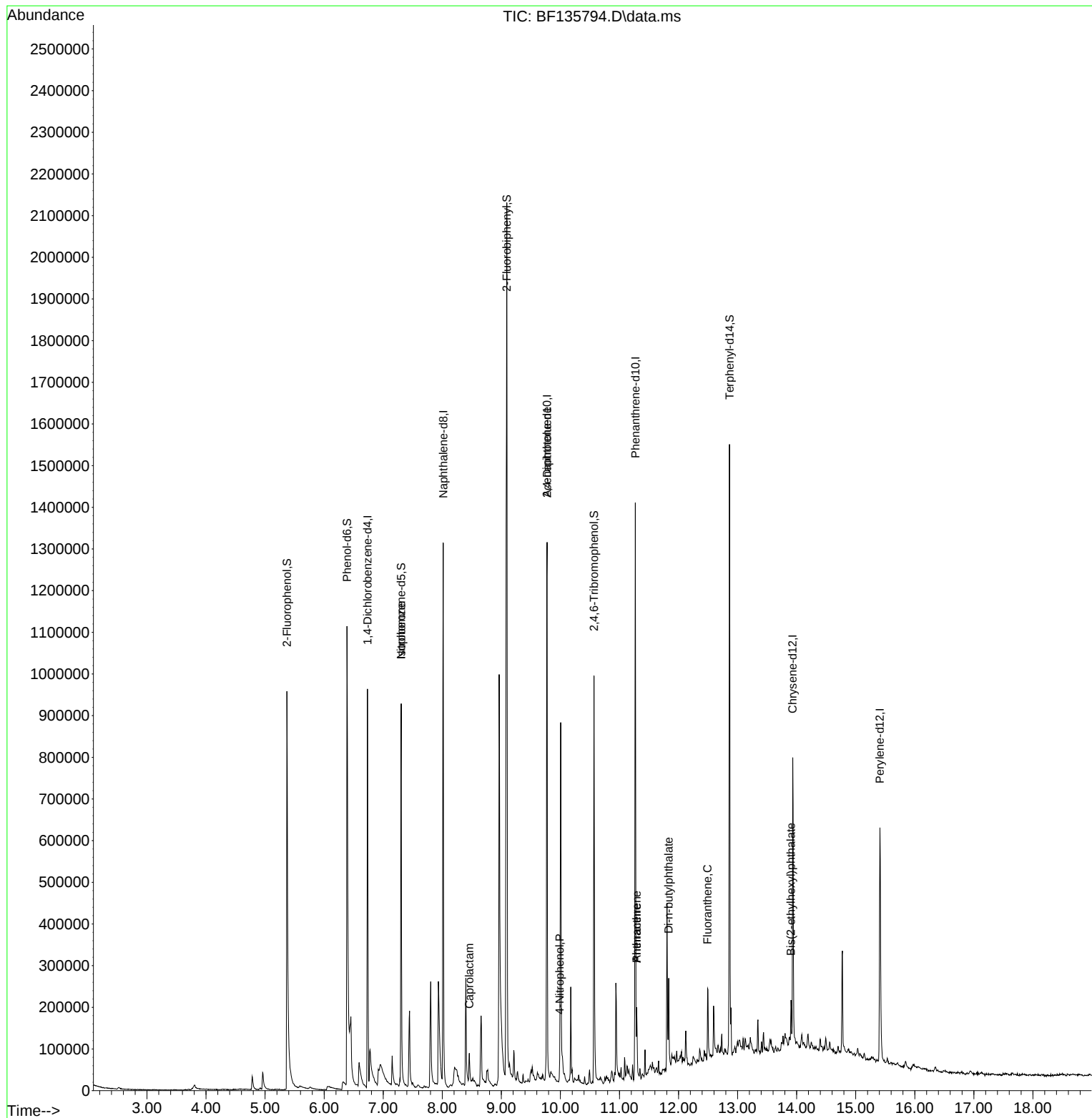
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.734	152	136505	20.000	ng	-0.01
21) Naphthalene-d8	8.016	136	527588	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	256151	20.000	ng	-0.01
64) Phenanthrene-d10	11.269	188	481681	20.000	ng	-0.01
76) Chrysene-d12	13.933	240	243633	20.000	ng	-0.02
86) Perylene-d12	15.410	264	286938	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	369203	43.485	ng	0.00
7) Phenol-d6	6.387	99	460735	43.491	ng	-0.01
23) Nitrobenzene-d5	7.304	82	275482	28.718	ng	-0.01
42) 2,4,6-Tribromophenol	10.569	330	104762	42.621	ng	-0.02
45) 2-Fluorobiphenyl	9.092	172	533398	32.558	ng	-0.01
79) Terphenyl-d14	12.863	244	484645	36.839	ng	-0.02
Target Compounds						
						Qvalue
25) Isophorone	7.304	82	275479	15.222	ng	# 66
35) Caprolactam	8.457	113	8597	3.470	ng	97
56) 4-Nitrophenol	9.986	139	10914	10.359	ng	# 43
57) 2,4-Dinitrotoluene	9.775	165	32752	6.923	ng	# 29
71) Phenanthrene	11.292	178	61446	2.663	ng	98
72) Anthracene	11.292	178	61446	2.570	ng	99
74) Di-n-butylphthalate	11.833	149	89492	3.269	ng	98
75) Fluoranthene	12.492	202	74213	2.898	ng	98
84) Bis(2-ethylhexyl)phtha...	13.904	149	33580	2.912	ng	97

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

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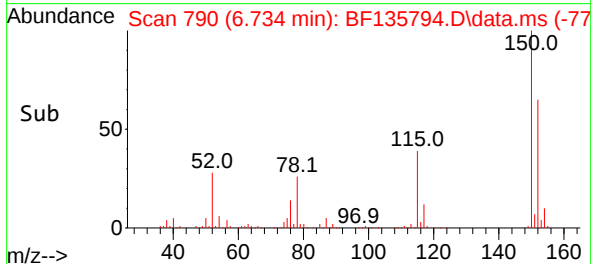
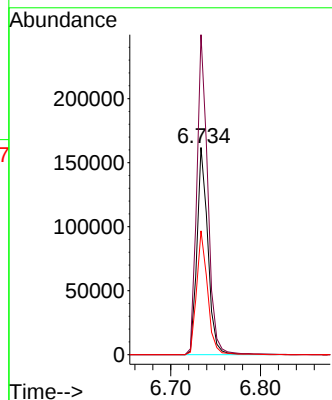
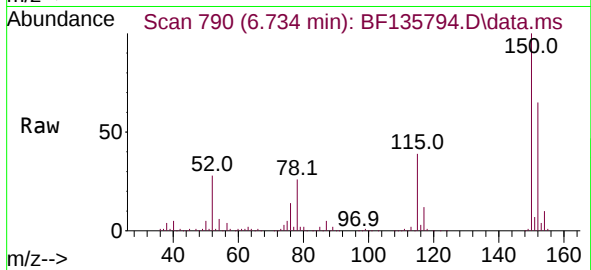




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.734 min Scan# 791
Delta R.T. -0.012 min
Lab File: BF135794.D
Acq: 17 Oct 2023 00:27

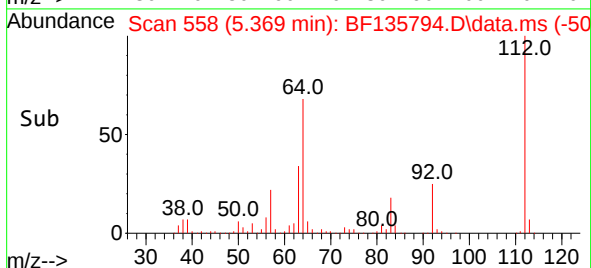
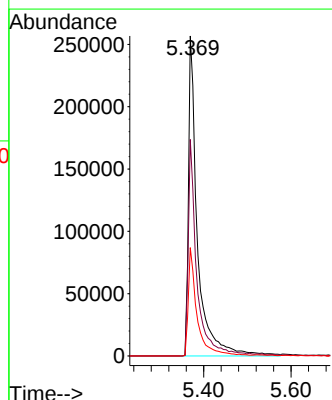
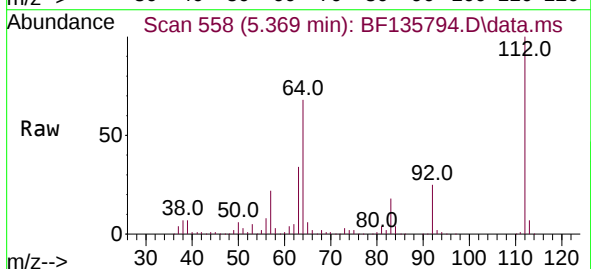
Instrument :
BNA_F
ClientSampleId :
FRIABLE-ASBESTOS-SAMPLE

Tgt Ion:152 Resp: 136505
Ion Ratio Lower Upper
152 100
150 154.5 124.5 186.7
115 59.8 49.0 73.4



#5
2-Fluorophenol
Concen: 43.485 ng
RT: 5.369 min Scan# 558
Delta R.T. -0.006 min
Lab File: BF135794.D
Acq: 17 Oct 2023 00:27

Tgt Ion:112 Resp: 369203
Ion Ratio Lower Upper
112 100
64 67.6 51.2 76.8
63 33.8 26.1 39.1

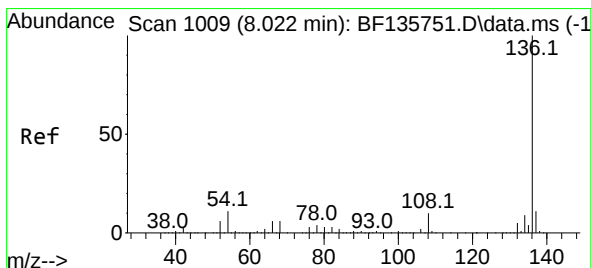
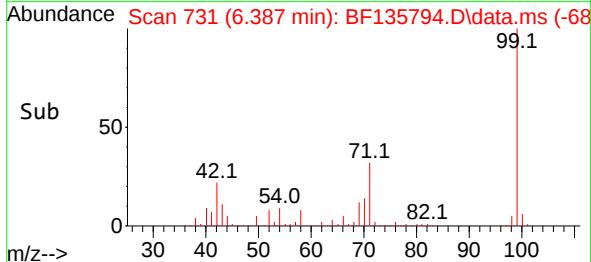
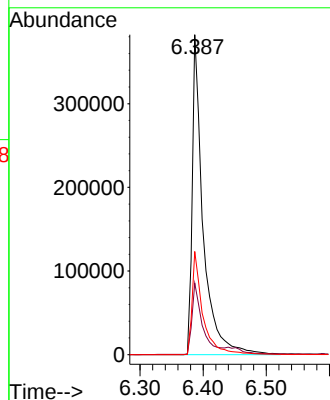
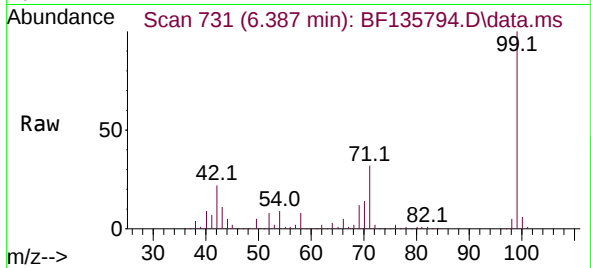




#7
Phenol-d6
Concen: 43.491 ng
RT: 6.387 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF135794.D
Acq: 17 Oct 2023 00:27

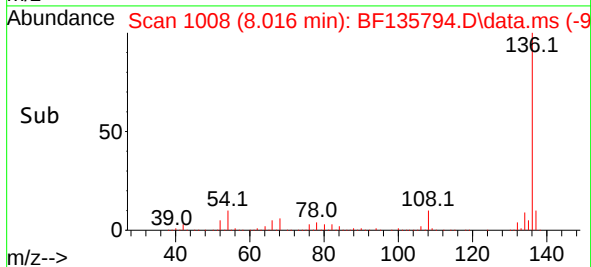
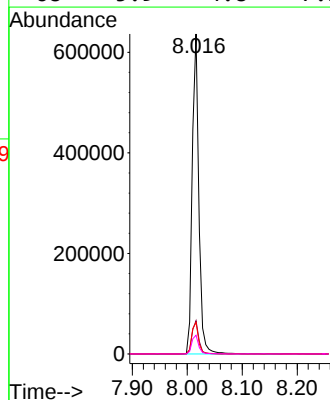
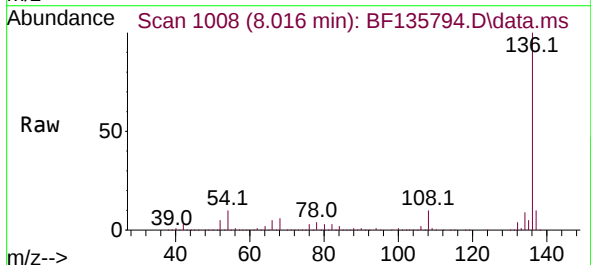
Instrument :
BNA_F
ClientSampleId :
FRIABLE-ASBESTOS-SAMPLE

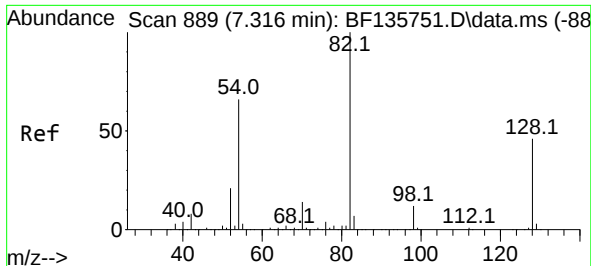
Tgt Ion: 99 Resp: 460735
Ion Ratio Lower Upper
99 100
42 22.3 18.4 27.6
71 32.3 27.2 40.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF135794.D
Acq: 17 Oct 2023 00:27

Tgt Ion: 136 Resp: 527588
Ion Ratio Lower Upper
136 100
137 10.4 8.6 12.8
54 9.9 8.5 12.7
68 5.9 4.8 7.2





#23

Nitrobenzene-d5

Concen: 28.718 ng

RT: 7.304 min Scan# 887

Delta R.T. -0.012 min

Lab File: BF135794.D

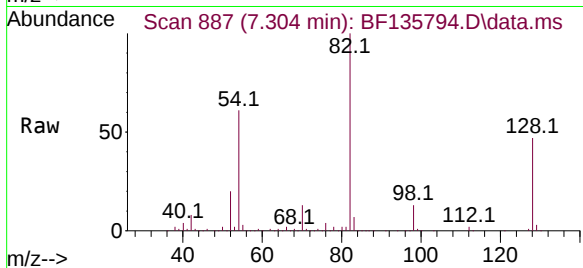
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Instrument :

BNA_F

ClientSampleId :

FRIABLE-ASBESTOS-SAMPLE



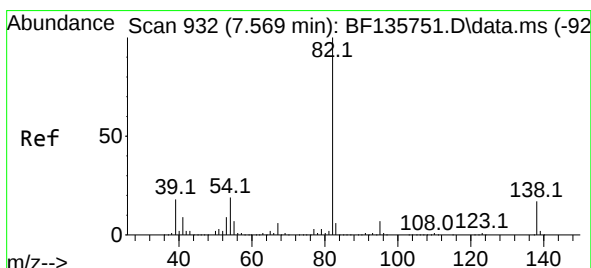
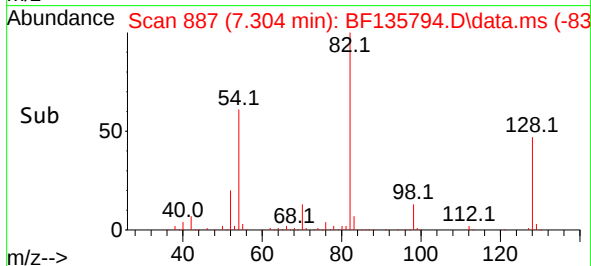
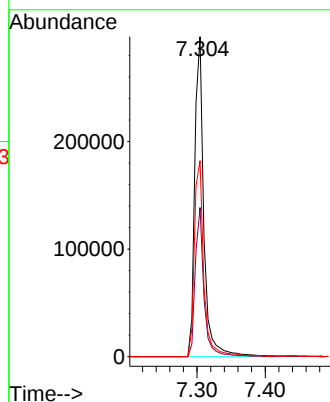
Tgt Ion: 82 Resp: 275482

Ion Ratio Lower Upper

82 100

128 46.6 37.0 55.6

54 61.3 52.8 79.2



#25

Isophorone

Concen: 15.222 ng

RT: 7.304 min Scan# 887

Delta R.T. -0.265 min

Lab File: BF135794.D

Acq: 17 Oct 2023 00:27

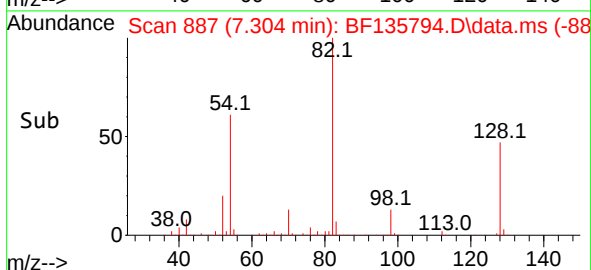
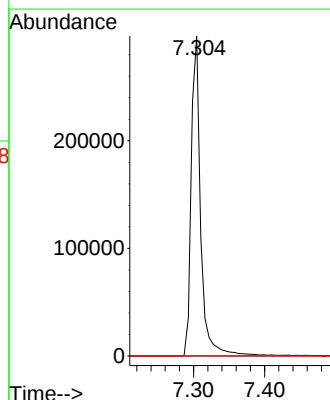
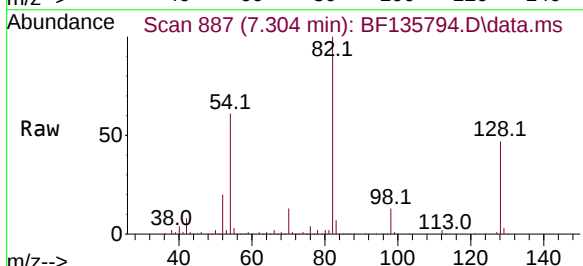
Tgt Ion: 82 Resp: 275479

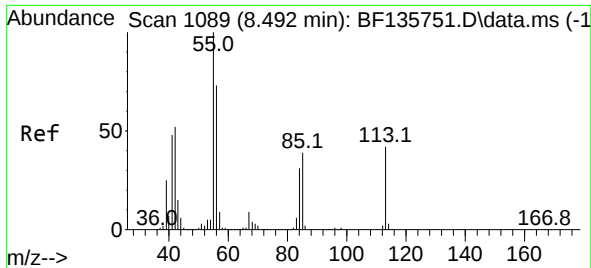
Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

138 0.0 13.9 20.9#

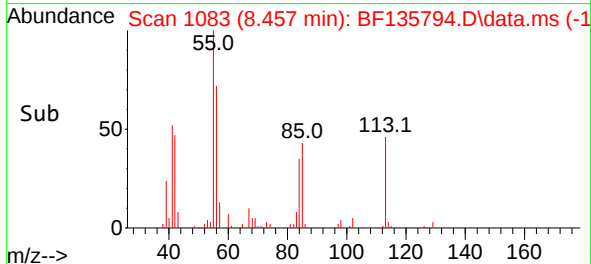
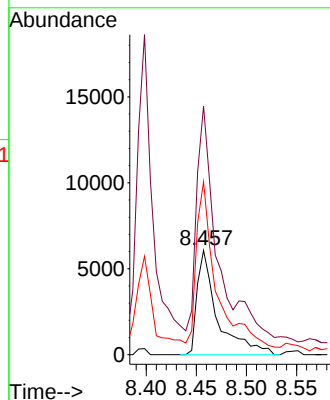
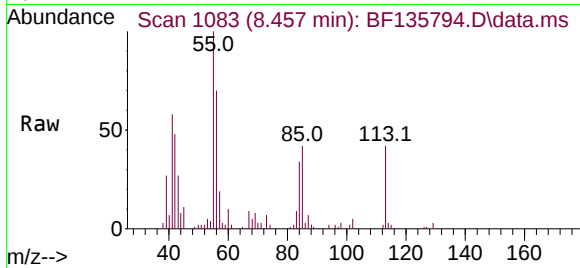




#35
Caprolactam
Concen: 3.470 ng
RT: 8.457 min Scan# 1083
Delta R.T. -0.041 min
Lab File: BF135794.D
Acq: 17 Oct 2023 00:27

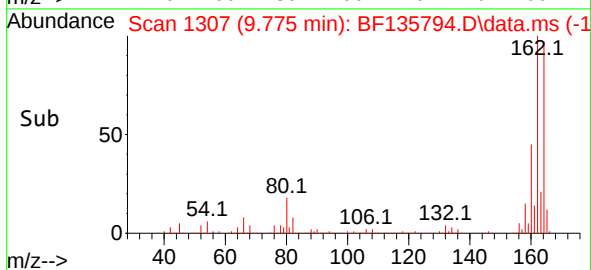
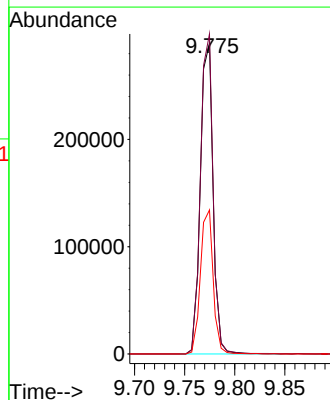
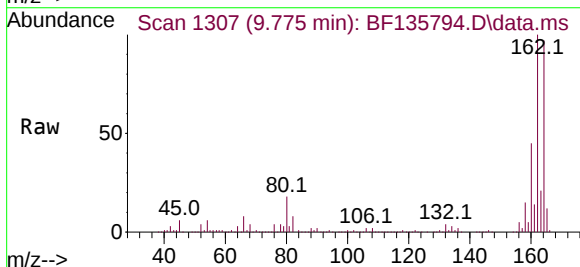
Instrument :
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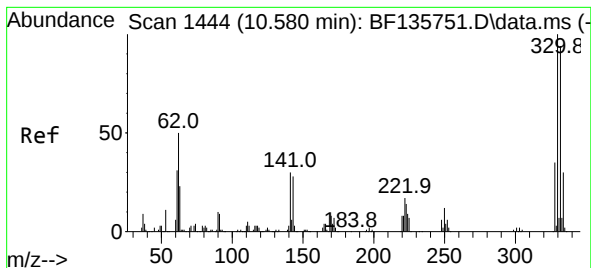
Tgt Ion:113 Resp: 8597
Ion Ratio Lower Upper
113 100
55 238.2 217.4 257.4
56 165.7 153.1 193.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.012 min
Lab File: BF135794.D
Acq: 17 Oct 2023 00:27

Tgt Ion:164 Resp: 256151
Ion Ratio Lower Upper
164 100
162 103.0 80.8 121.2
160 46.3 36.6 54.8

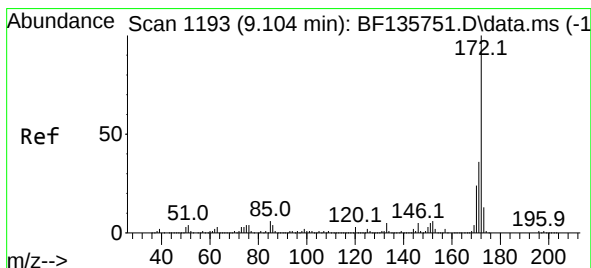
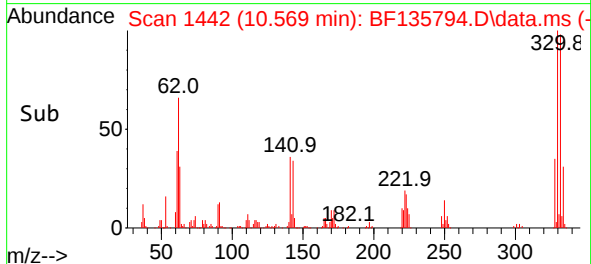
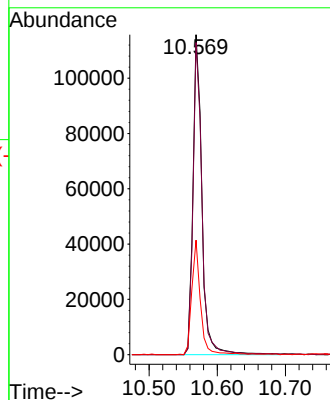
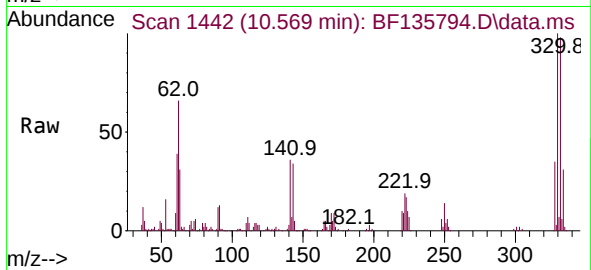




#42
2,4,6-Tribromophenol
Concen: 42.621 ng
RT: 10.569 min Scan# 1444
Delta R.T. -0.018 min
Lab File: BF135794.D
Acq: 17 Oct 2023 00:27

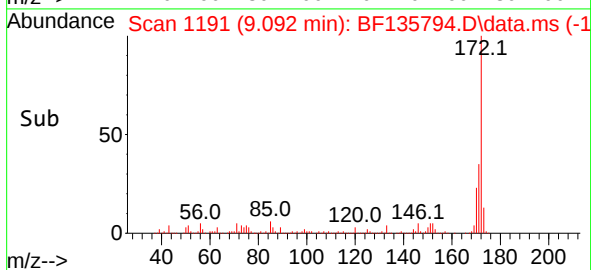
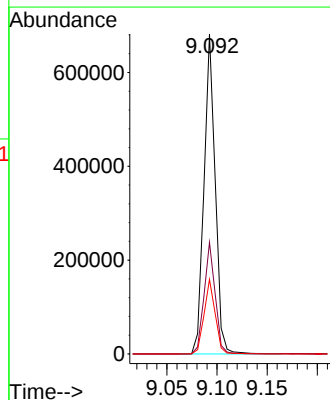
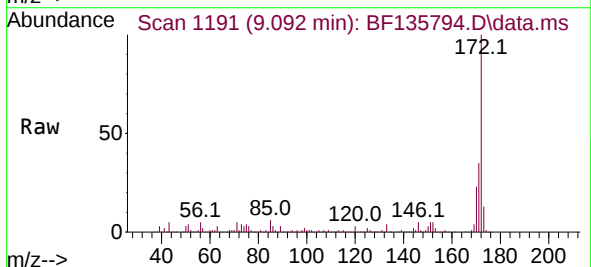
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FRIABLE-ASBESTOS-SAMPLE

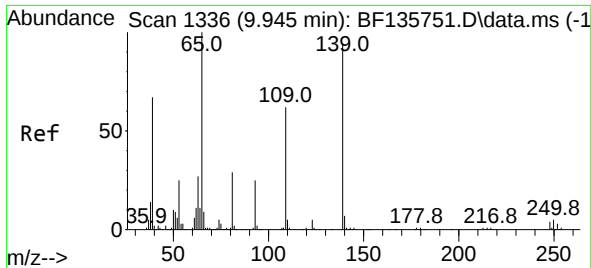
Tgt Ion:330 Resp: 104762
Ion Ratio Lower Upper
330 100
332 96.5 75.0 112.4
141 35.0 25.8 38.6



#45
2-Fluorobiphenyl
Concen: 32.558 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.012 min
Lab File: BF135794.D
Acq: 17 Oct 2023 00:27

Tgt Ion:172 Resp: 533398
Ion Ratio Lower Upper
172 100
171 34.9 28.4 42.6
170 23.3 18.8 28.2

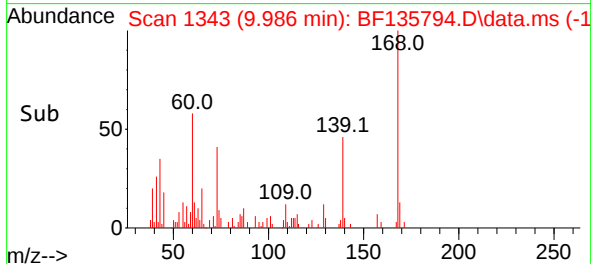
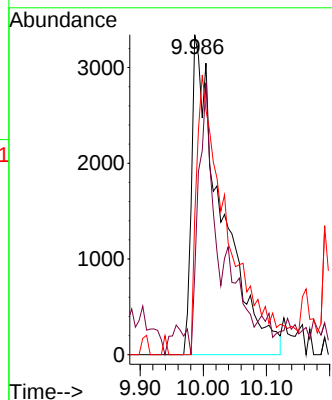
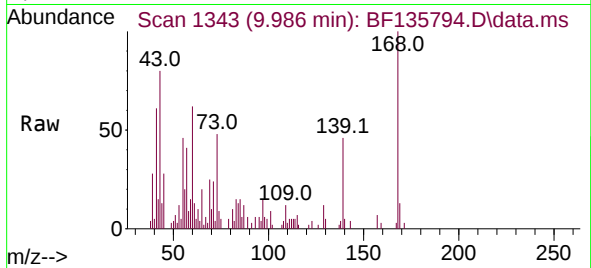




#56
4-Nitrophenol
Concen: 10.359 ng
RT: 9.986 min Scan# 11
Delta R.T. 0.041 min
Lab File: BF135794.D
Acq: 17 Oct 2023 00:27

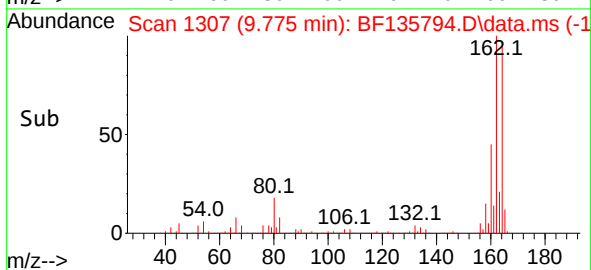
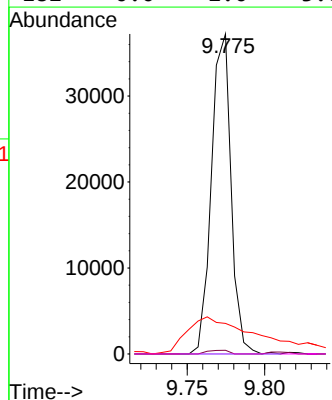
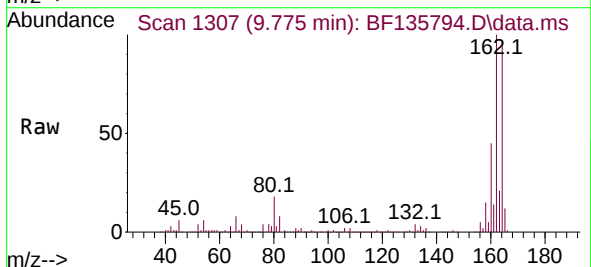
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BNA_F
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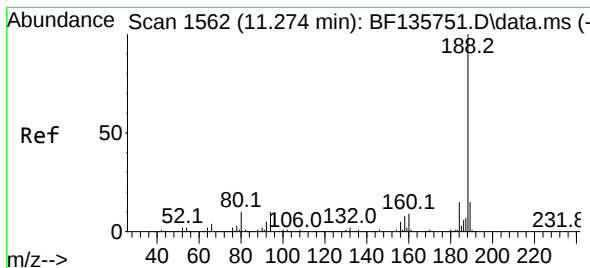
Tgt Ion:139 Resp: 10914
Ion Ratio Lower Upper
139 100
109 25.3 45.6 85.6#
65 43.4 87.5 127.5#



#57
2,4-Dinitrotoluene
Concen: 6.923 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.229 min
Lab File: BF135794.D
Acq: 17 Oct 2023 00:27

Tgt Ion:165 Resp: 32752
Ion Ratio Lower Upper
165 100
63 1.2 39.0 58.4#
89 9.5 55.9 83.9#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.269 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF135794.D

Acq: 17 Oct 2023 00:27

Instrument :

BNA_F

ClientSampleId :

FRIABLE-ASBESTOS-SAMPLE

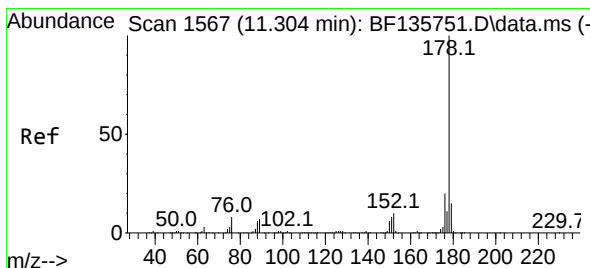
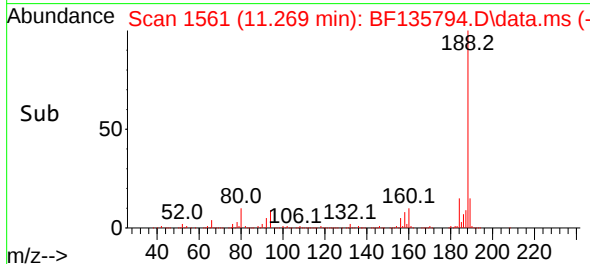
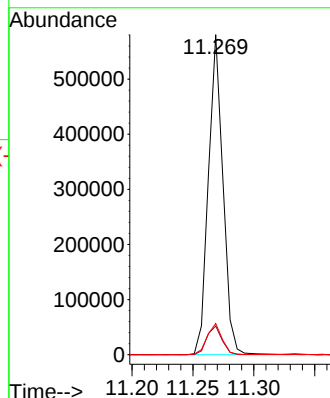
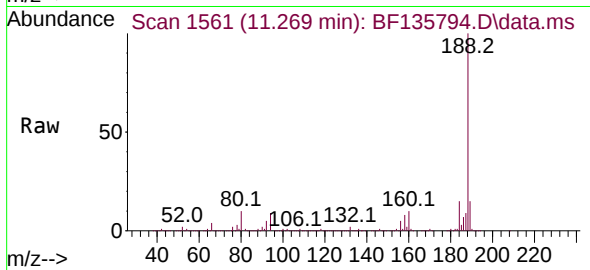
Tgt Ion:188 Resp: 481681

Ion Ratio Lower Upper

188 100

94 8.9 8.0 12.0

80 9.8 8.3 12.5



#71

Phenanthrene

Concen: 2.663 ng

RT: 11.292 min Scan# 1565

Delta R.T. -0.012 min

Lab File: BF135794.D

Acq: 17 Oct 2023 00:27

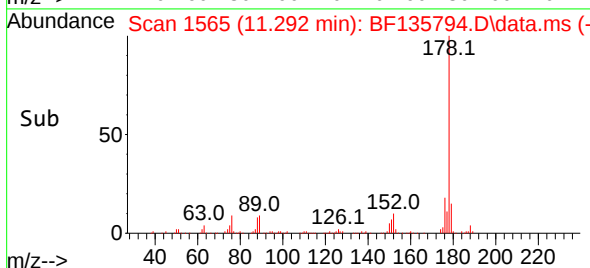
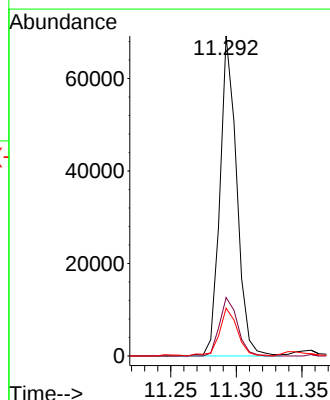
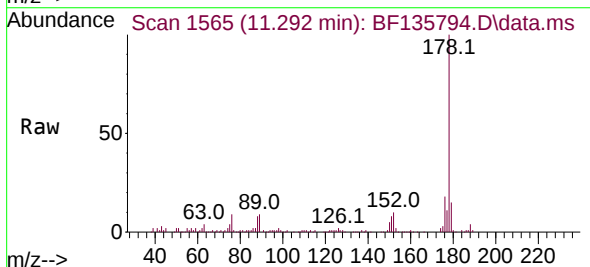
Tgt Ion:178 Resp: 61446

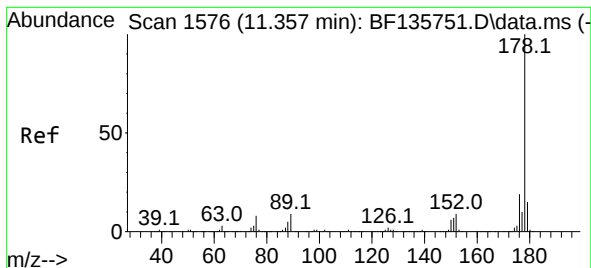
Ion Ratio Lower Upper

178 100

176 18.3 16.0 24.0

179 15.0 12.2 18.4





#72

Anthracene

Concen: 2.570 ng

RT: 11.292 min Scan# 11

Delta R.T. -0.065 min

Lab File: BF135794.D

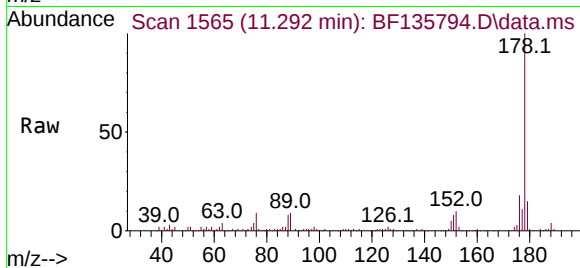
Acq: 17 Oct 2023 00:27

Instrument :

BNA_F

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FRIABLE-ASBESTOS-SAMPLE



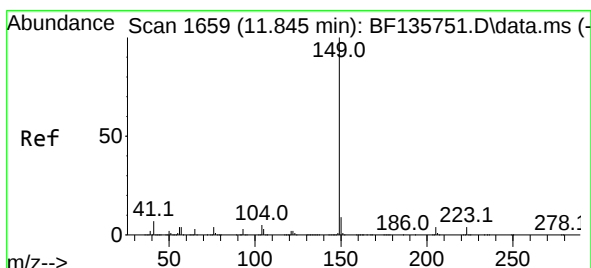
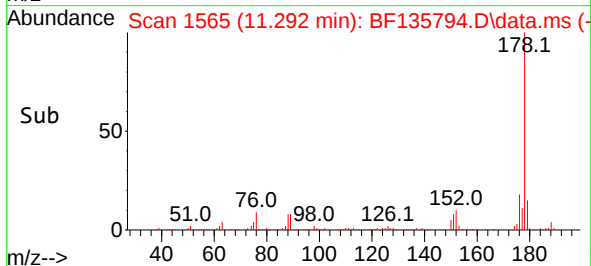
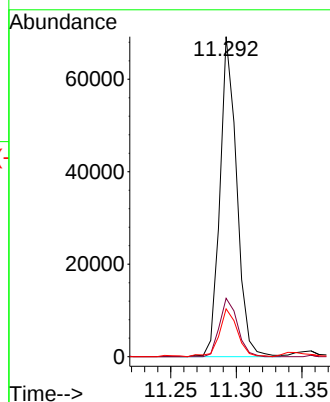
Tgt Ion:178 Resp: 61446

Ion Ratio Lower Upper

178 100

176 18.3 15.1 22.7

179 15.0 12.3 18.5



#74

Di-n-butylphthalate

Concen: 3.269 ng

RT: 11.833 min Scan# 1657

Delta R.T. -0.012 min

Lab File: BF135794.D

Acq: 17 Oct 2023 00:27

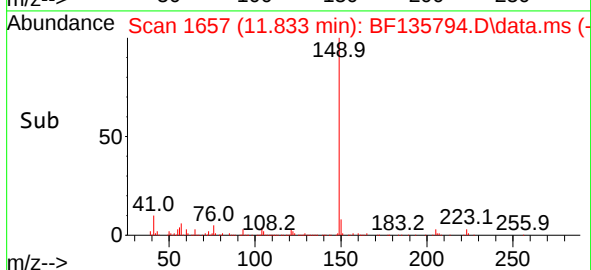
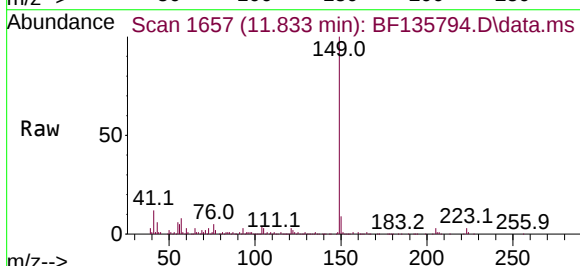
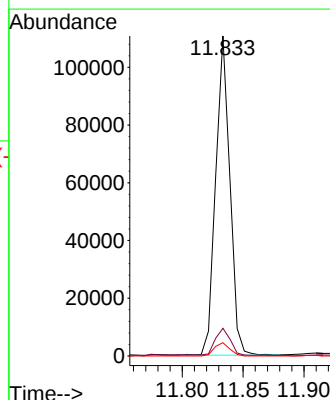
Tgt Ion:149 Resp: 89492

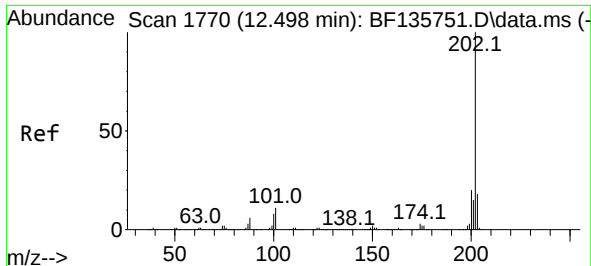
Ion Ratio Lower Upper

149 100

150 8.7 7.4 11.2

104 4.2 3.7 5.5

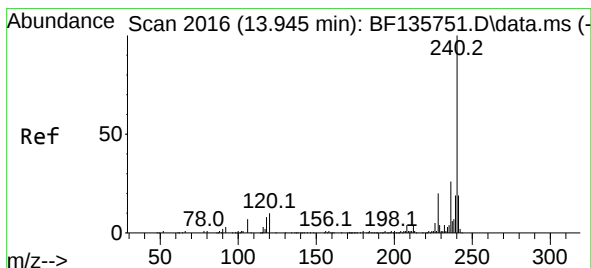
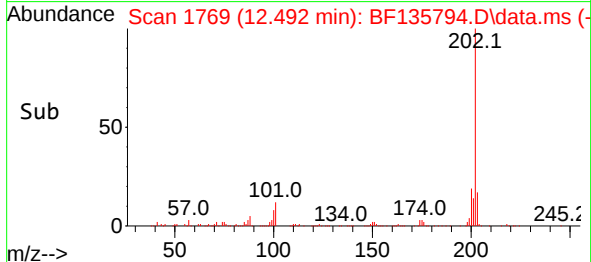
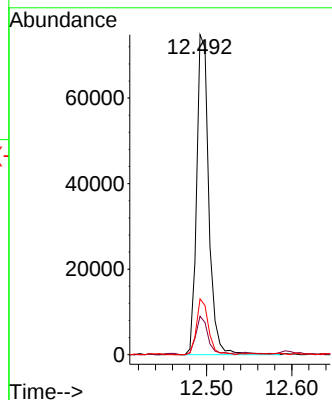
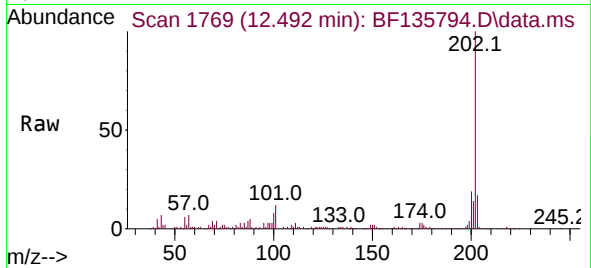




#75
Fluoranthene
Concen: 2.898 ng
RT: 12.492 min Scan# 1770
Delta R.T. -0.012 min
Lab File: BF135794.D
Acq: 17 Oct 2023 00:27

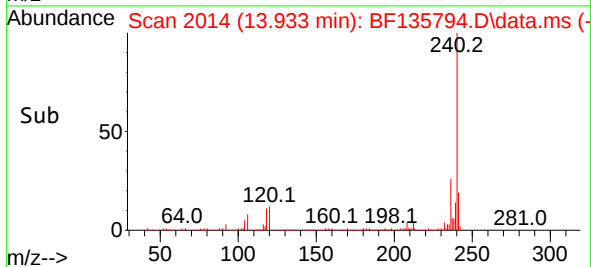
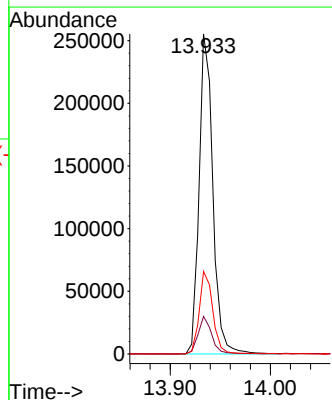
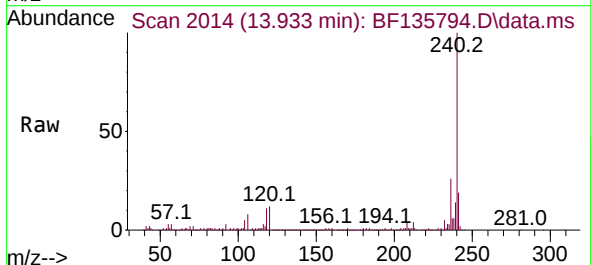
Instrument :
BNA_F
ClientSampleId :
FRIABLE-ASBESTOS-SAMPLE

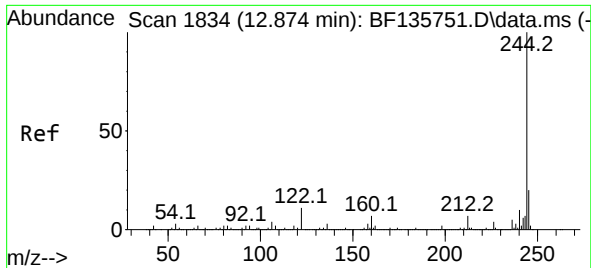
Tgt Ion:202 Resp: 74213
Ion Ratio Lower Upper
202 100
101 12.0 0.0 31.5
203 17.4 0.0 38.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.933 min Scan# 2014
Delta R.T. -0.018 min
Lab File: BF135794.D
Acq: 17 Oct 2023 00:27

Tgt Ion:240 Resp: 243633
Ion Ratio Lower Upper
240 100
120 11.7 8.2 12.2
236 25.8 21.2 31.8

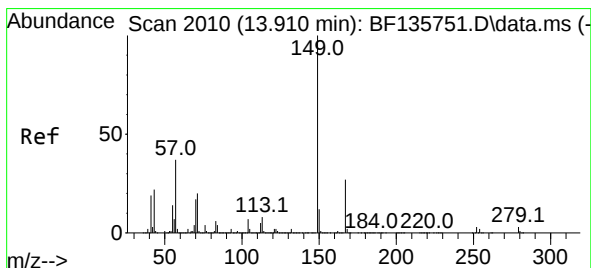
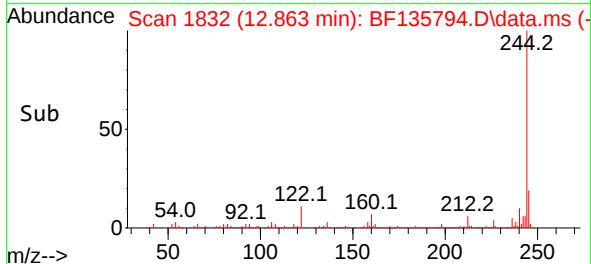
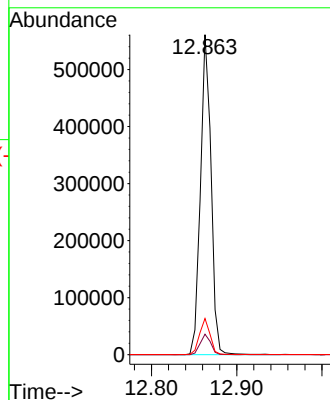
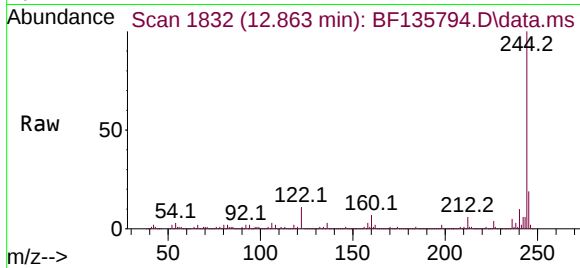




#79
 Terphenyl-d14
 Concen: 36.839 ng
 RT: 12.863 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: BF135794.D
 Acq: 17 Oct 2023 00:27

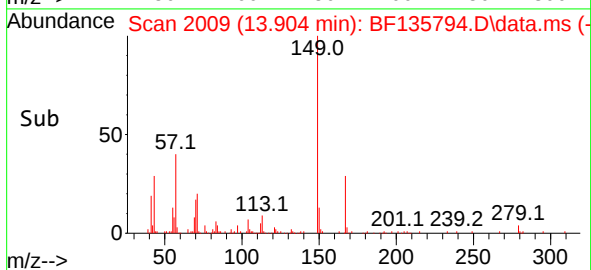
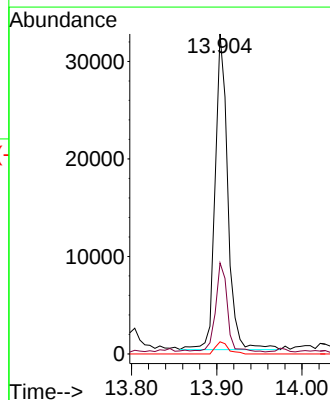
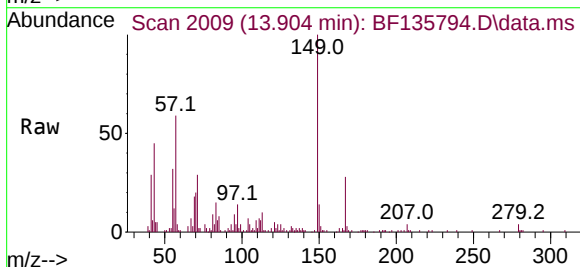
Instrument :
 BNA_F
 ClientSampleId :
 FRIABLE-ASBESTOS-SAMPLE

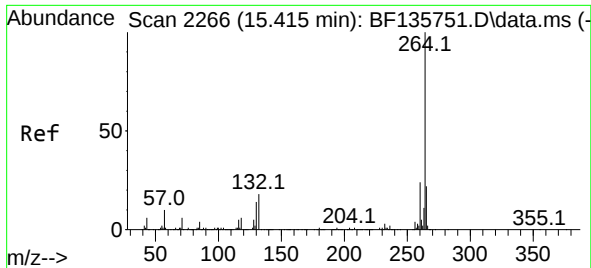
Tgt Ion:244 Resp: 484645
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.6 8.4
 122 11.3 9.0 13.6



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.912 ng
 RT: 13.904 min Scan# 2009
 Delta R.T. -0.012 min
 Lab File: BF135794.D
 Acq: 17 Oct 2023 00:27

Tgt Ion:149 Resp: 33580
 Ion Ratio Lower Upper
 149 100
 167 28.4 21.3 31.9
 279 3.8 2.7 4.1





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.410 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF135794.D
 Acq: 17 Oct 2023 00:27

Instrument :
 BNA_F
 ClientSampleId :
 FRIABLE-ASBESTOS-SAMPLE

Tgt Ion:264 Resp: 286938
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.2 28.8
 265 21.7 17.4 26.2

