

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082522\
 Data File : BF130003.D
 Acq On : 25 Aug 2022 17:10
 Operator : CG\JU
 Sample : N4205-06
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-6

Quant Time: Aug 26 01:00:09 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 25 14:45:09 2022
 Response via : Initial Calibration

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

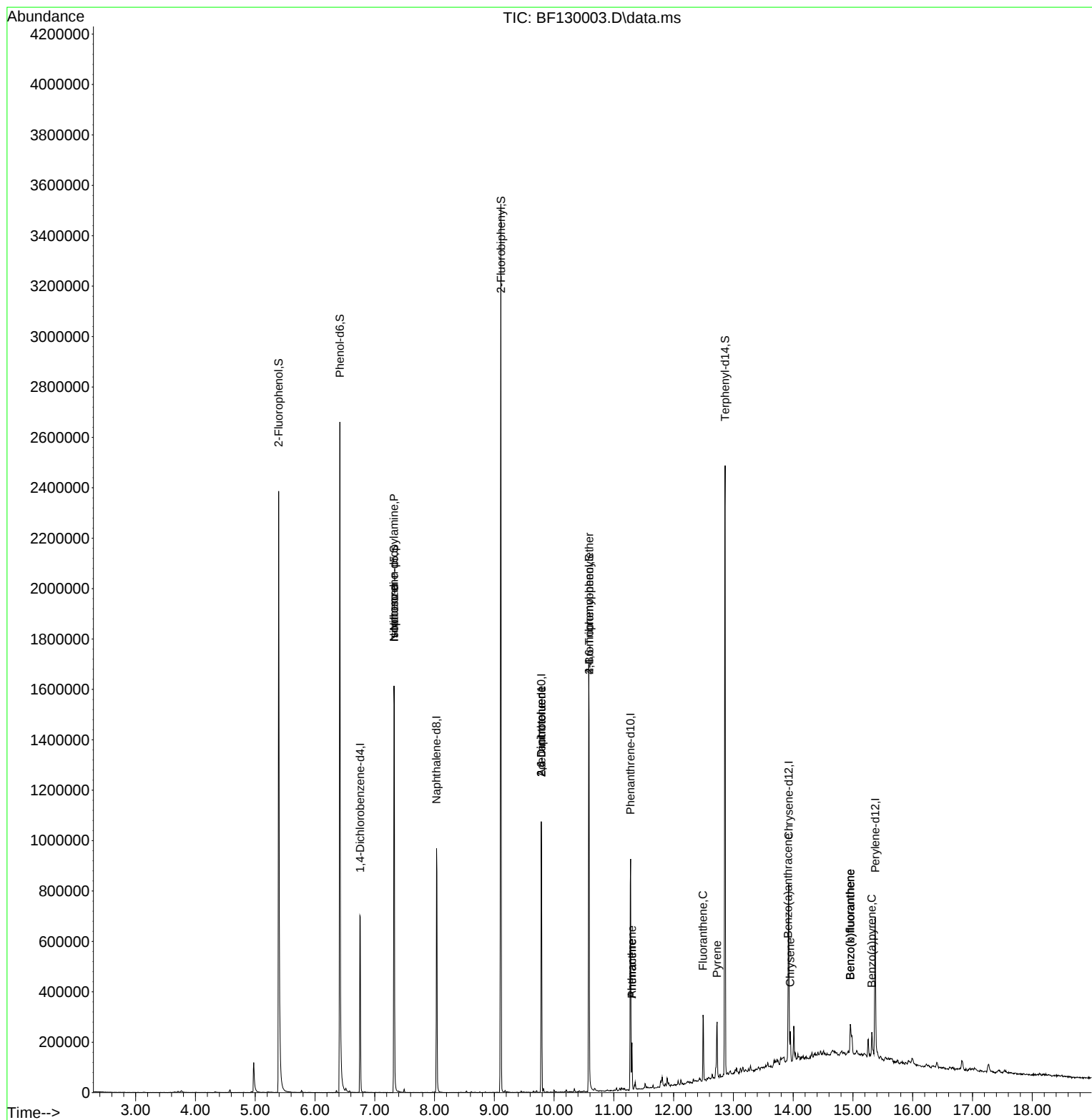
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.757	152	108972	20.000	ng	0.00
21) Naphthalene-d8	8.034	136	420429	20.000	ng	0.00
39) Acenaphthene-d10	9.786	164	204332	20.000	ng	0.00
64) Phenanthrene-d10	11.280	188	318589	20.000	ng	0.00
76) Chrysene-d12	13.927	240	230019	20.000	ng	0.00
86) Perylene-d12	15.374	264	246336	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	674019	102.409	ng	0.00
7) Phenol-d6	6.416	99	829339	100.623	ng	0.00
23) Nitrobenzene-d5	7.322	82	532165	67.759	ng	-0.01
42) 2,4,6-Tribromophenol	10.586	330	187876	91.612	ng	0.00
45) 2-Fluorobiphenyl	9.110	172	944002	70.168	ng	0.00
79) Terphenyl-d14	12.863	244	807100	58.385	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.363	77	66	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.322	70	70749	13.580	ng	# 78
25) Isophorone	7.322	82	532165	39.368	ng	# 65
51) 2,6-Dinitrotoluene	9.786	165	26622	8.378	ng	# 23
57) 2,4-Dinitrotoluene	9.786	165	26622	6.454	ng	# 18
67) 4-Bromophenyl-phenylether	10.586	248	12360	3.312	ng	# 1
71) Phenanthrene	11.304	178	65293	3.670	ng	99
72) Anthracene	11.304	178	65293	3.690	ng	99
75) Fluoranthene	12.492	202	99452	5.462	ng	98
77) Benzidine	12.633	184	765	Below Cal	#	58
78) Pyrene	12.727	202	92182	4.612	ng	98
81) Benzo(a)anthracene	13.916	228	51348	3.245	ng	98
83) Chrysene	13.951	228	43232	2.919	ng	99
88) Benzo(b)fluoranthene	14.957	252	85313	5.058	ng	# 96
89) Benzo(k)fluoranthene	14.957	252	85313	5.274	ng	# 95
90) Benzo(a)pyrene	15.315	252	46219	3.479	ng	97

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

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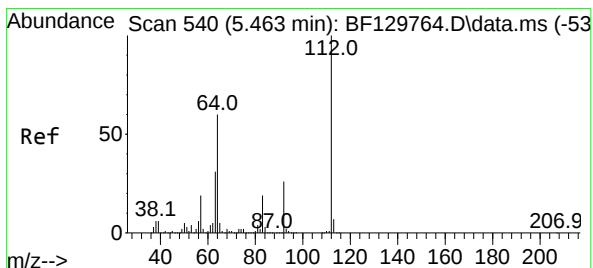
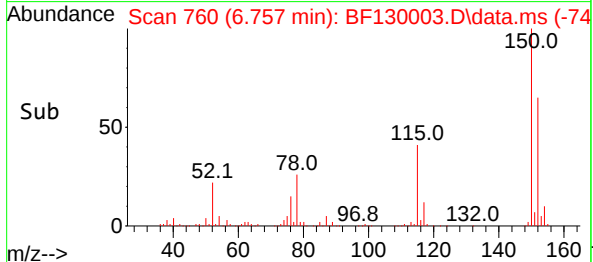
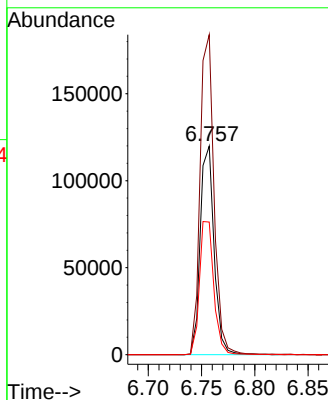
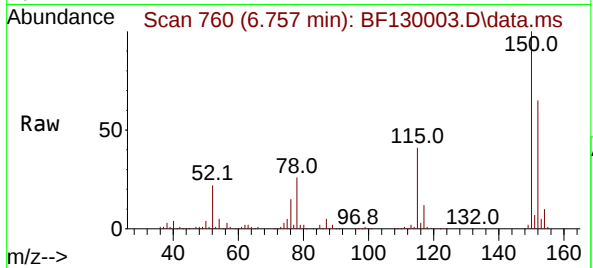




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.757 min Scan# 70
Delta R.T. 0.000 min
Lab File: BF130003.D
Acq: 25 Aug 2022 17:10

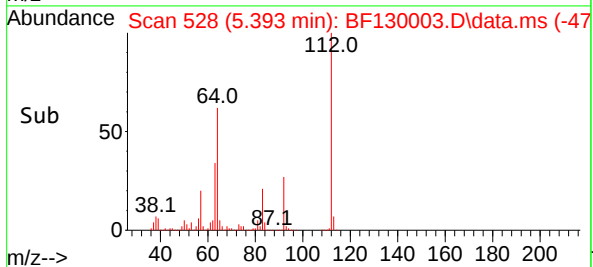
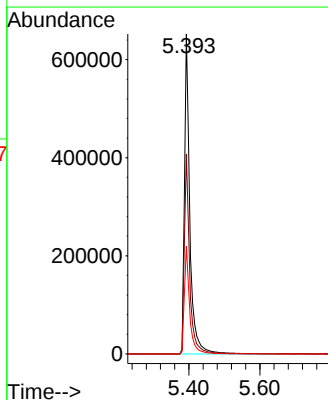
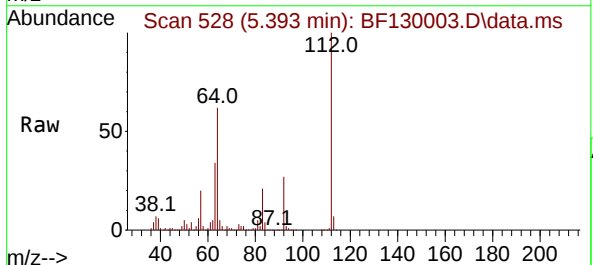
Instrument :
BNA_F
ClientSampleId :
SS-6

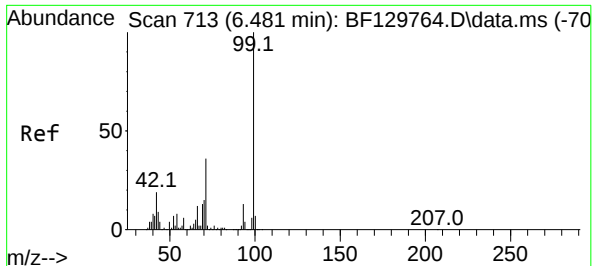
Tgt Ion:152 Resp: 108972
Ion Ratio Lower Upper
152 100
150 153.3 126.9 190.3
115 63.6 53.4 80.0



#5
2-Fluorophenol
Concen: 102.409 ng
RT: 5.393 min Scan# 528
Delta R.T. 0.000 min
Lab File: BF130003.D
Acq: 25 Aug 2022 17:10

Tgt Ion:112 Resp: 674019
Ion Ratio Lower Upper
112 100
64 62.5 47.6 71.4
63 33.7 24.6 37.0

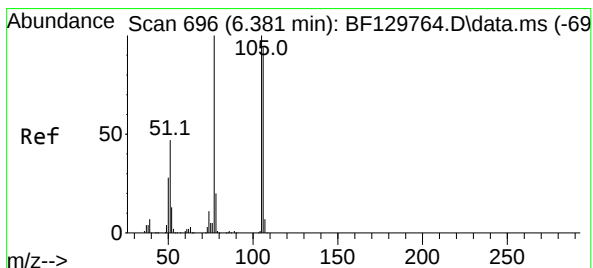
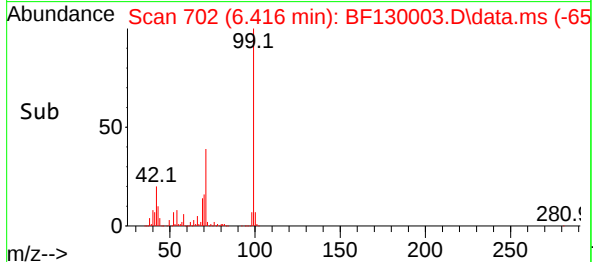
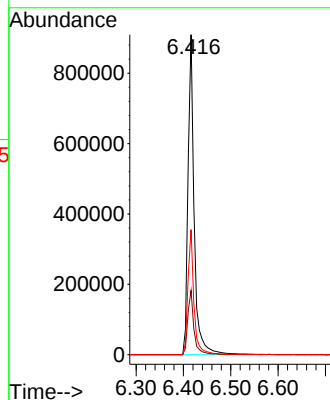
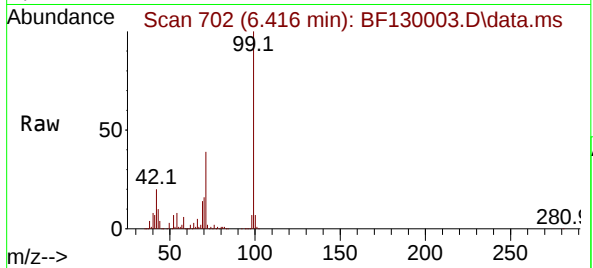




#7
Phenol-d6
Concen: 100.623 ng
RT: 6.416 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF130003.D
Acq: 25 Aug 2022 17:10

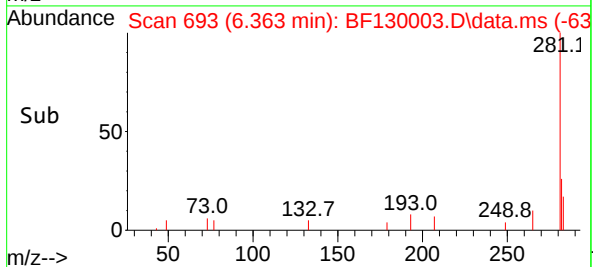
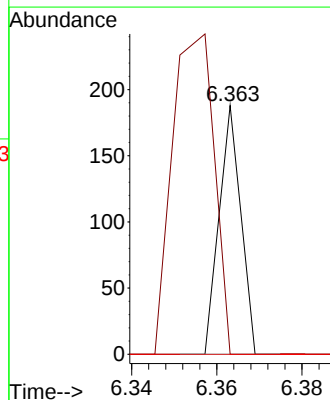
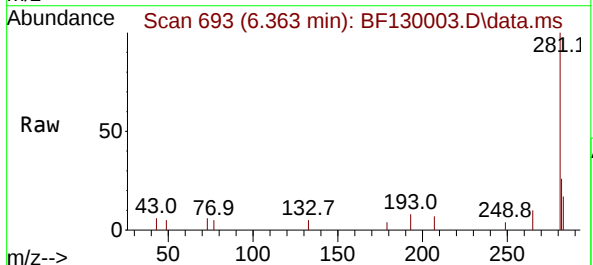
Instrument :
BNA_F
ClientSampleId :
SS-6

Tgt Ion: 99 Resp: 829339
Ion Ratio Lower Upper
99 100
42 20.1 15.0 22.4
71 39.1 28.8 43.2



#9
Benzaldehyde
Concen: Below Cal
RT: 6.363 min Scan# 693
Delta R.T. 0.047 min
Lab File: BF130003.D
Acq: 25 Aug 2022 17:10

Tgt Ion: 77 Resp: 66
Ion Ratio Lower Upper
77 100
105 0.0 80.3 120.3#
106 0.0 74.3 114.3#

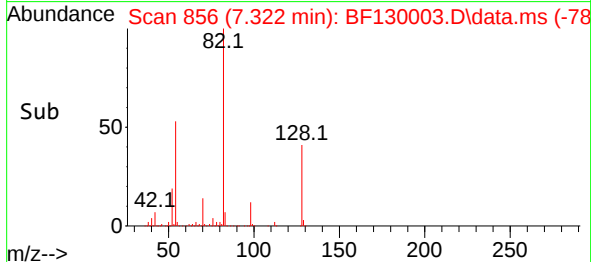
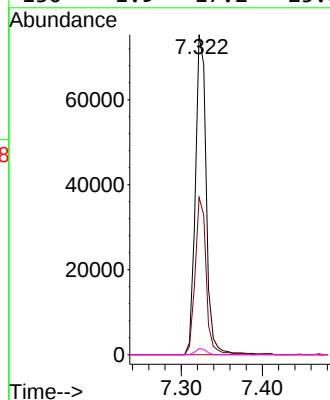
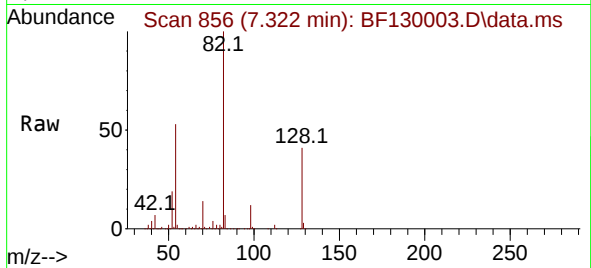




#19
n-Nitroso-di-n-propylamine
Concen: 13.580 ng
RT: 7.322 min Scan# 811
Delta R.T. 0.141 min
Lab File: BF130003.D
Acq: 25 Aug 2022 17:10

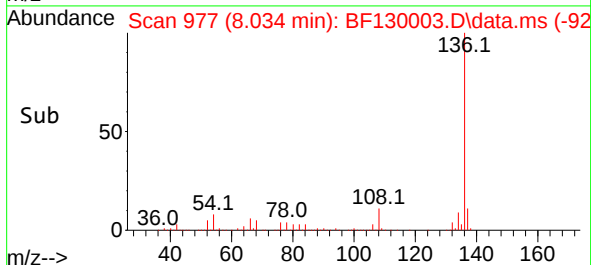
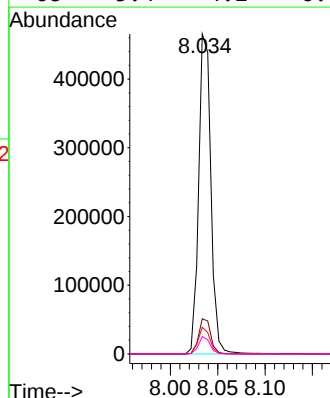
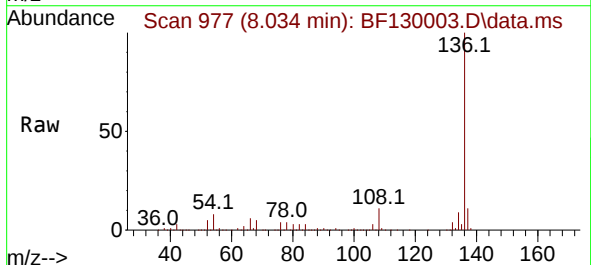
Instrument :
BNA_F
ClientSampleId :
SS-6

Tgt Ion: 70 Resp: 70749
Ion Ratio Lower Upper
70 100
42 49.2 47.6 71.4
101 0.0 8.1 12.1#
130 1.9 17.2 25.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.034 min Scan# 977
Delta R.T. -0.006 min
Lab File: BF130003.D
Acq: 25 Aug 2022 17:10

Tgt Ion: 136 Resp: 420429
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 8.3 6.2 9.2
68 5.4 4.2 6.4





#23

Nitrobenzene-d5

Concen: 67.759 ng

RT: 7.322 min Scan# 856

Delta R.T. -0.012 min

Lab File: BF130003.D

Acq: 25 Aug 2022 17:10

Instrument :

BNA_F

ClientSampleId :

SS-6

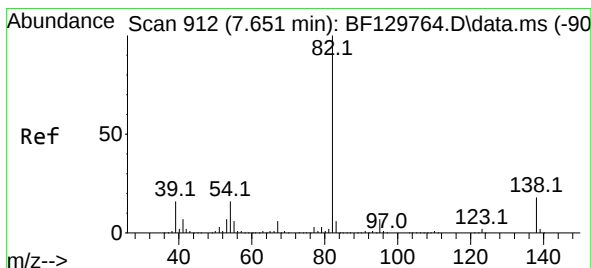
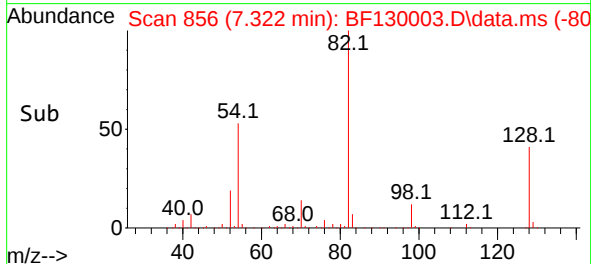
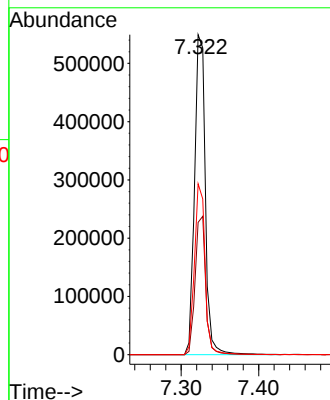
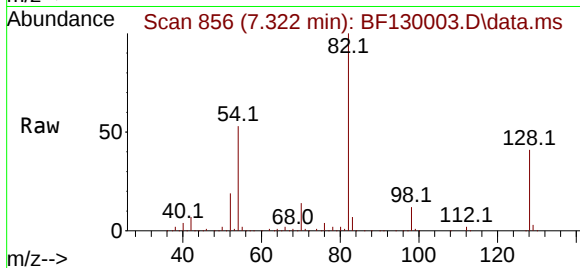
Tgt Ion: 82 Resp: 532165

Ion Ratio Lower Upper

82 100

128 41.4 36.1 54.1

54 53.4 40.0 60.0



#25

Isophorone

Concen: 39.368 ng

RT: 7.322 min Scan# 856

Delta R.T. -0.265 min

Lab File: BF130003.D

Acq: 25 Aug 2022 17:10

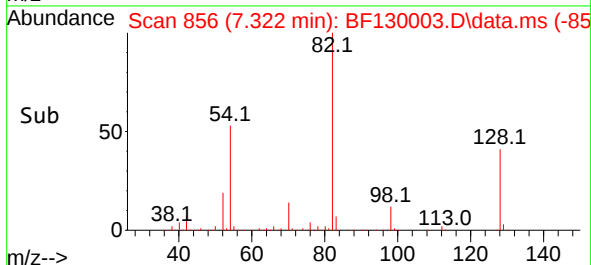
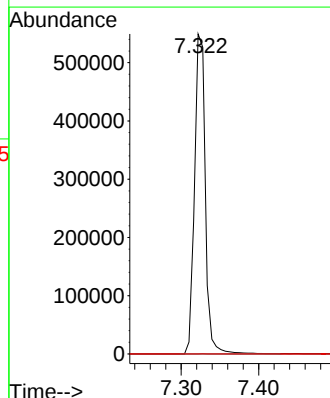
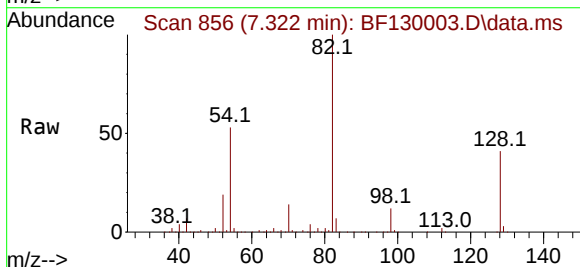
Tgt Ion: 82 Resp: 532165

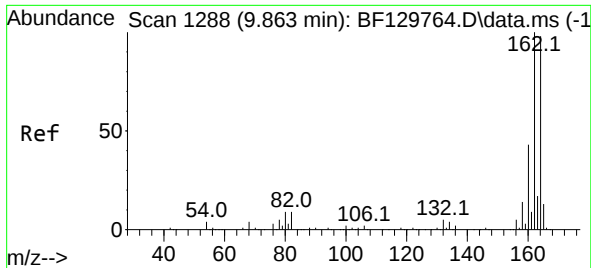
Ion Ratio Lower Upper

82 100

95 0.0 5.9 8.9#

138 0.0 14.6 21.8#

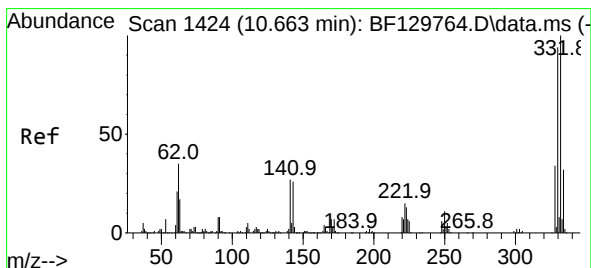
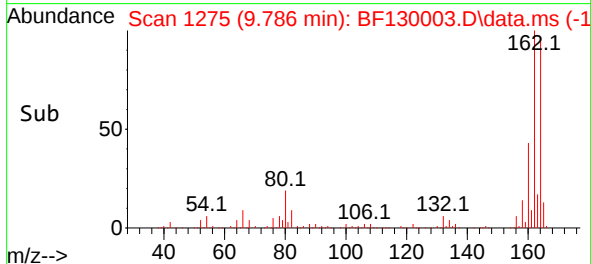
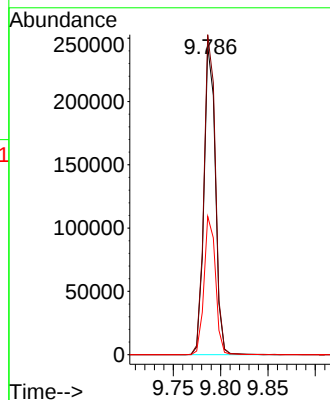
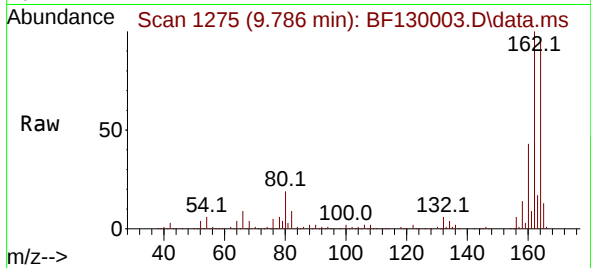




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.786 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130003.D
Acq: 25 Aug 2022 17:10

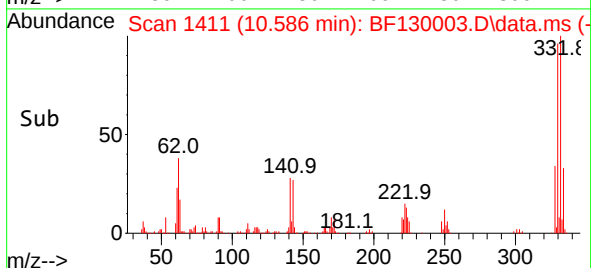
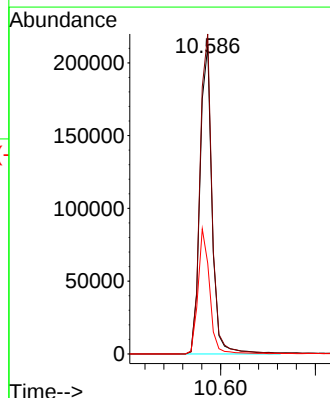
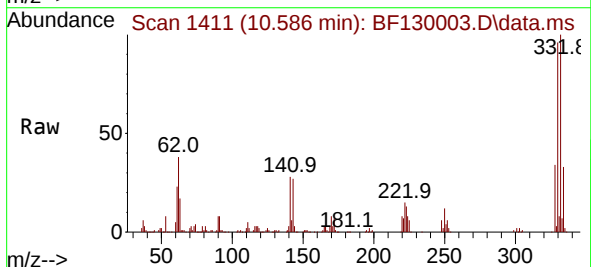
Instrument :
BNA_F
ClientSampleId :
SS-6

Tgt Ion:164 Resp: 204332
Ion Ratio Lower Upper
164 100
162 103.8 82.0 123.0
160 44.8 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 91.612 ng
RT: 10.586 min Scan# 1411
Delta R.T. 0.000 min
Lab File: BF130003.D
Acq: 25 Aug 2022 17:10

Tgt Ion:330 Resp: 187876
Ion Ratio Lower Upper
330 100
332 104.8 82.6 124.0
141 39.0 27.6 41.4





#45

2-Fluorobiphenyl

Concen: 70.168 ng

RT: 9.110 min Scan# 1173

Delta R.T. -0.006 min

Lab File: BF130003.D

Acq: 25 Aug 2022 17:10

Instrument :

BNA_F

ClientSampleId :

SS-6

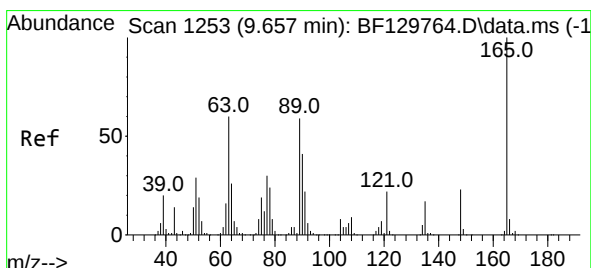
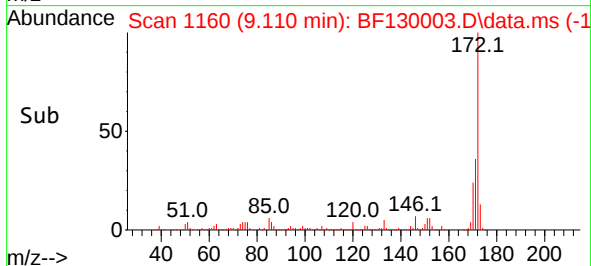
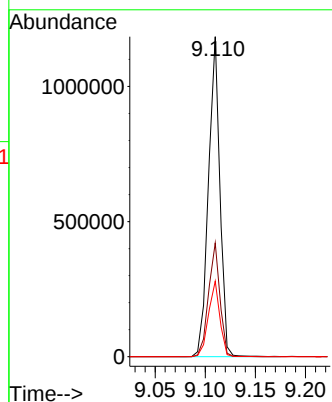
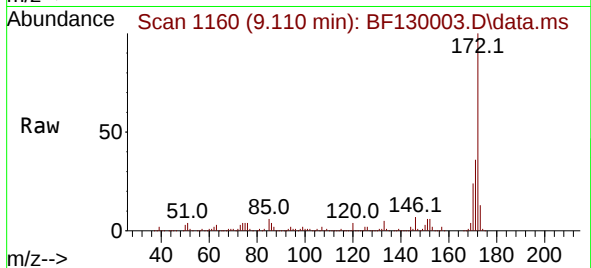
Tgt Ion:172 Resp: 944002

Ion Ratio Lower Upper

172 100

171 35.5 28.4 42.6

170 23.6 19.1 28.7



#51

2,6-Dinitrotoluene

Concen: 8.378 ng

RT: 9.786 min Scan# 1275

Delta R.T. 0.194 min

Lab File: BF130003.D

Acq: 25 Aug 2022 17:10

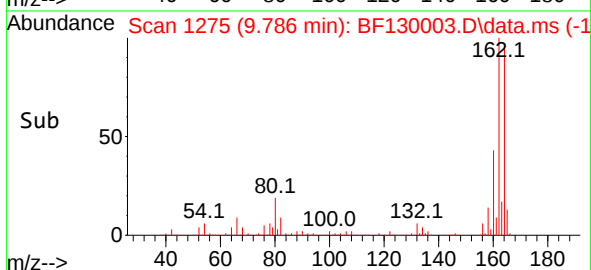
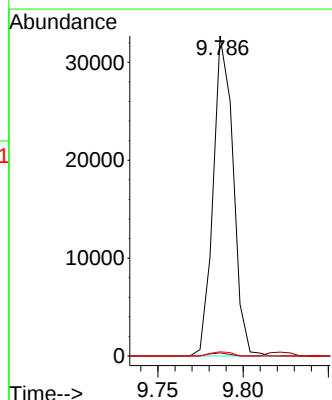
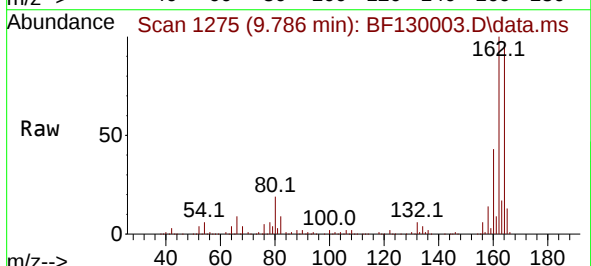
Tgt Ion:165 Resp: 26622

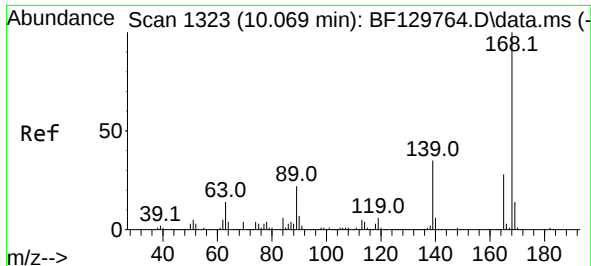
Ion Ratio Lower Upper

165 100

63 1.0 47.8 71.8#

89 1.3 47.2 70.8#

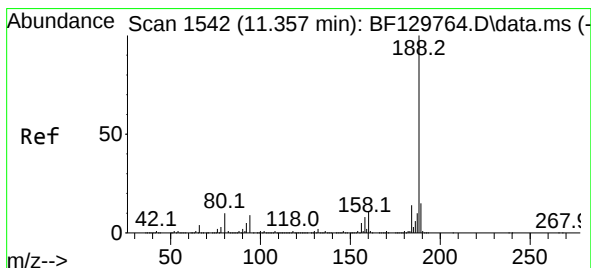
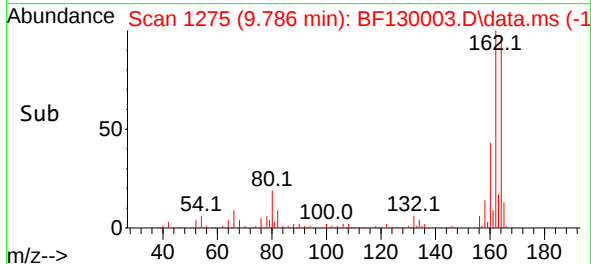
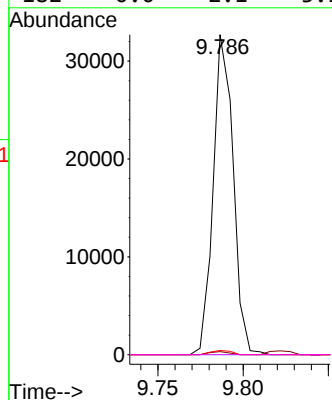
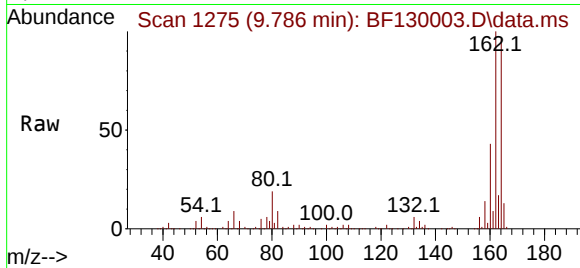




#57
2,4-Dinitrotoluene
Concen: 6.454 ng
RT: 9.786 min Scan# 11
Delta R.T. -0.218 min
Lab File: BF130003.D
Acq: 25 Aug 2022 17:10

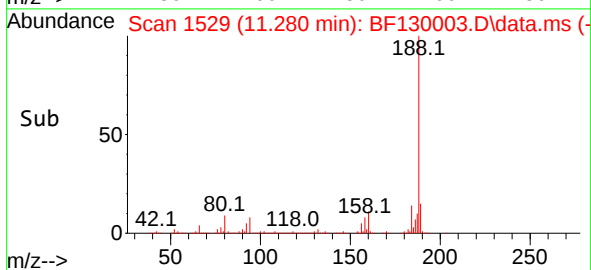
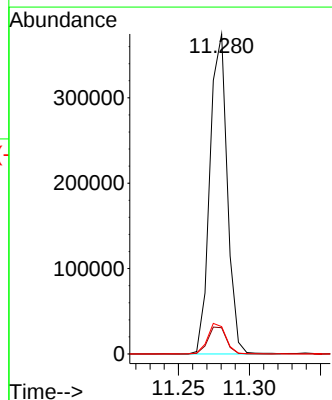
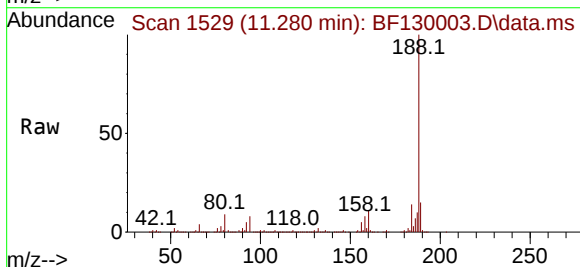
Instrument :
BNA_F
ClientSampleId :
SS-6

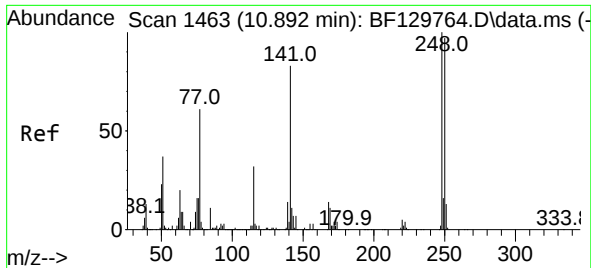
Tgt Ion:	165	Resp:	26622
Ion Ratio	Lower	Upper	
165	100		
63	1.0	48.4	72.6#
89	1.3	62.3	93.5#
182	0.0	2.1	3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.280 min Scan# 1529
Delta R.T. 0.000 min
Lab File: BF130003.D
Acq: 25 Aug 2022 17:10

Tgt Ion:	188	Resp:	318589
Ion Ratio	Lower	Upper	
188	100		
94	8.2	7.4	11.2
80	8.5	7.9	11.9

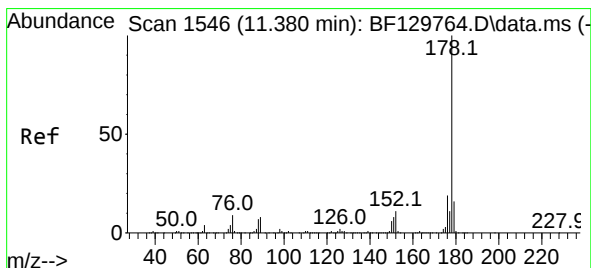
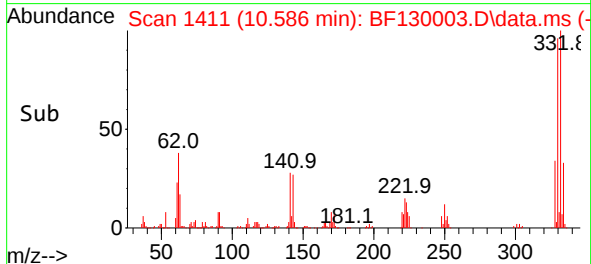
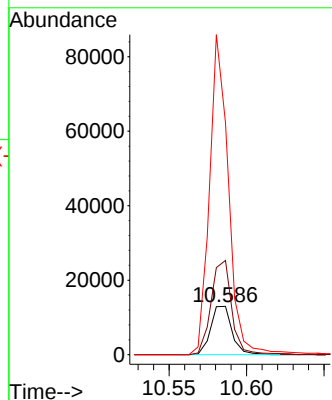
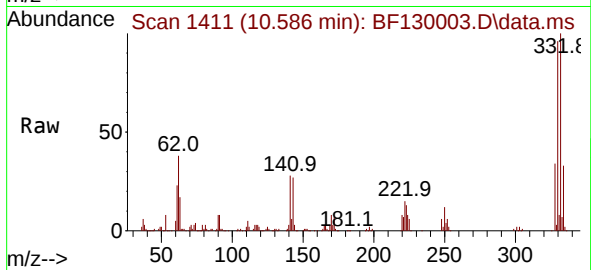




#67
4-Bromophenyl-phenylether
Concen: 3.312 ng
RT: 10.586 min Scan# 1411
Delta R.T. -0.235 min
Lab File: BF130003.D
Acq: 25 Aug 2022 17:10

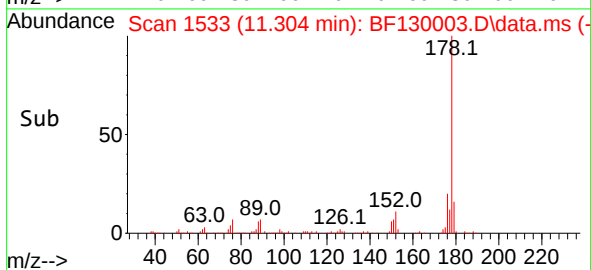
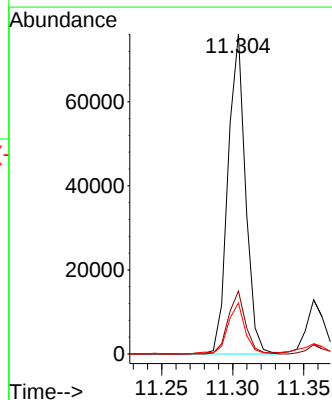
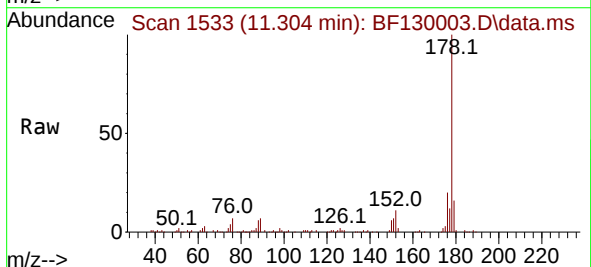
Instrument :
BNA_F
ClientSampleId :
SS-6

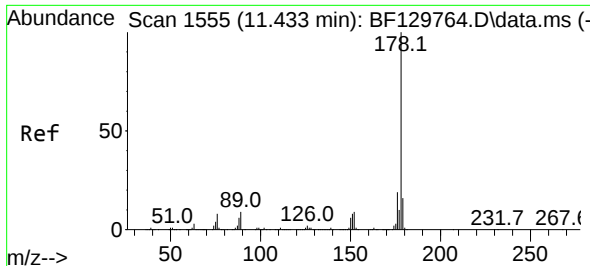
Tgt Ion:248 Resp: 12360
Ion Ratio Lower Upper
248 100
250 195.2 77.8 116.6#
141 480.6 66.2 99.2#



#71
Phenanthrene
Concen: 3.670 ng
RT: 11.304 min Scan# 1533
Delta R.T. 0.000 min
Lab File: BF130003.D
Acq: 25 Aug 2022 17:10

Tgt Ion:178 Resp: 65293
Ion Ratio Lower Upper
178 100
176 19.6 15.5 23.3
179 15.9 12.5 18.7

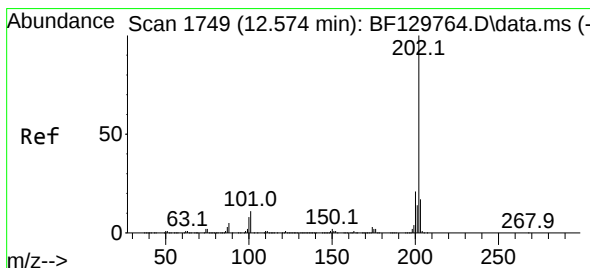
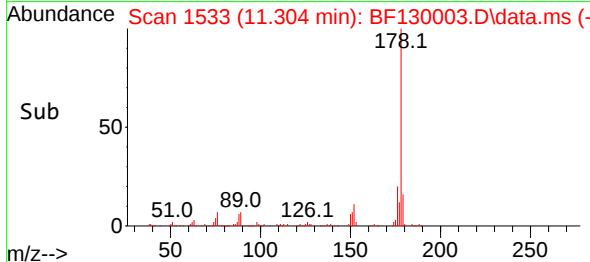
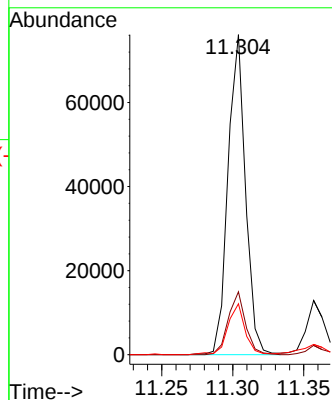
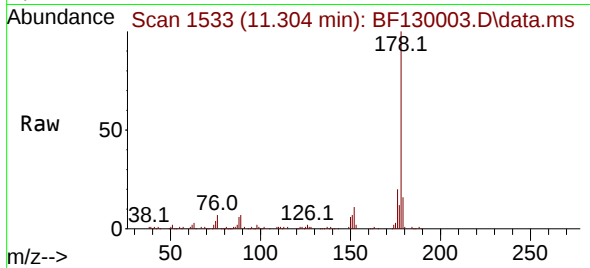




#72
 Anthracene
 Concen: 3.690 ng
 RT: 11.304 min Scan# 11
 Delta R.T. -0.053 min
 Lab File: BF130003.D
 Acq: 25 Aug 2022 17:10

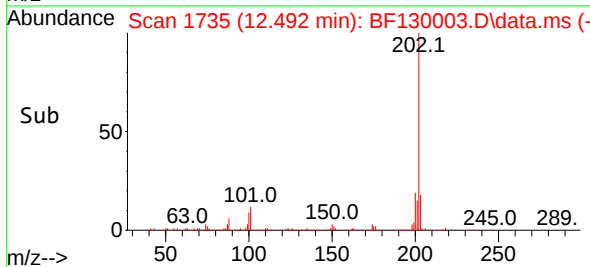
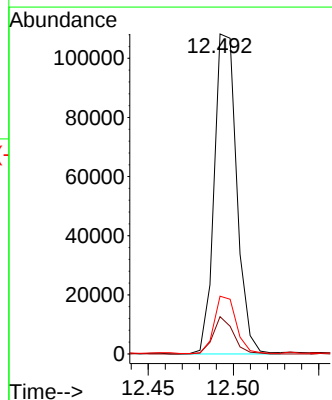
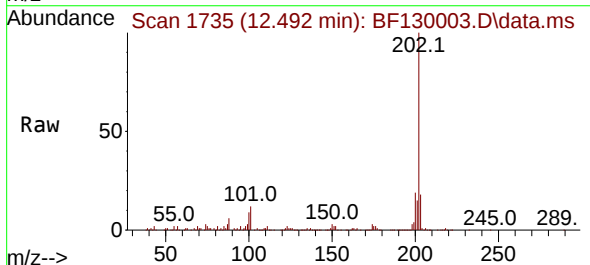
Instrument :
 BNA_F
 ClientSampleId :
 SS-6

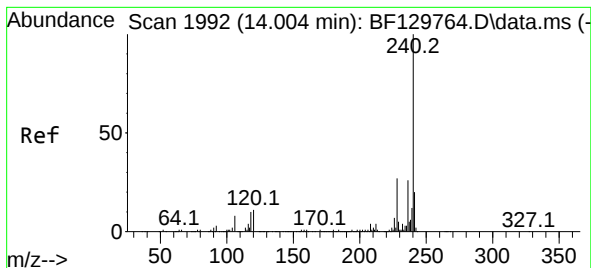
Tgt Ion:178 Resp: 65293
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.1 22.7
 179 15.9 12.6 18.8



#75
 Fluoranthene
 Concen: 5.462 ng
 RT: 12.492 min Scan# 1735
 Delta R.T. -0.006 min
 Lab File: BF130003.D
 Acq: 25 Aug 2022 17:10

Tgt Ion:202 Resp: 99452
 Ion Ratio Lower Upper
 202 100
 101 11.6 0.0 30.7
 203 18.1 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.927 min Scan# 1992

Delta R.T. 0.000 min

Lab File: BF130003.D

Acq: 25 Aug 2022 17:10

Instrument :

BNA_F

ClientSampleId :

SS-6

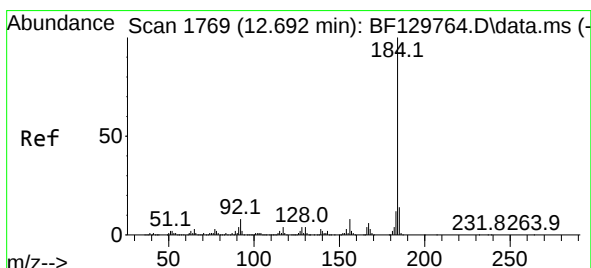
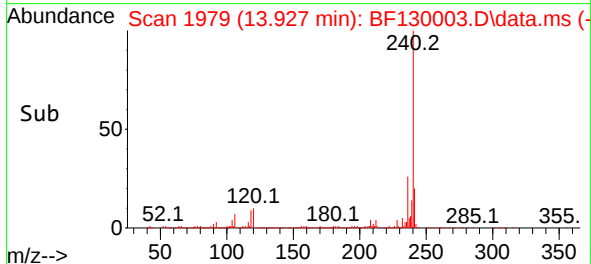
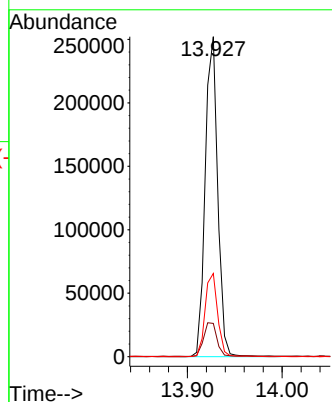
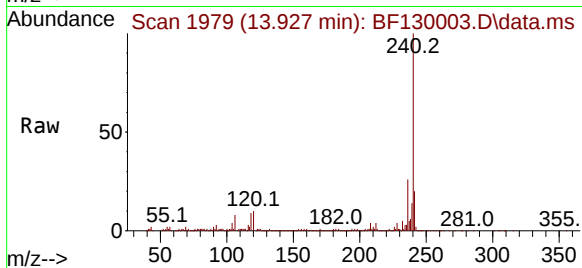
Tgt Ion:240 Resp: 230019

Ion Ratio Lower Upper

240 100

120 10.4 9.2 13.8

236 26.0 20.7 31.1



#77

Benzidine

Concen: Below Cal

RT: 12.633 min Scan# 1759

Delta R.T. 0.012 min

Lab File: BF130003.D

Acq: 25 Aug 2022 17:10

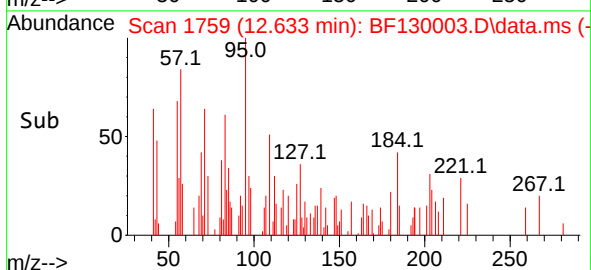
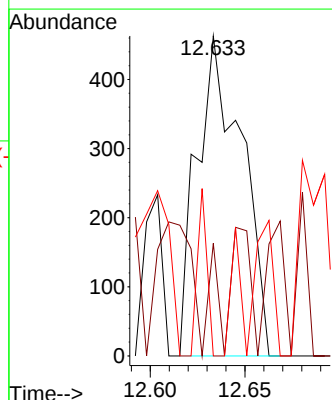
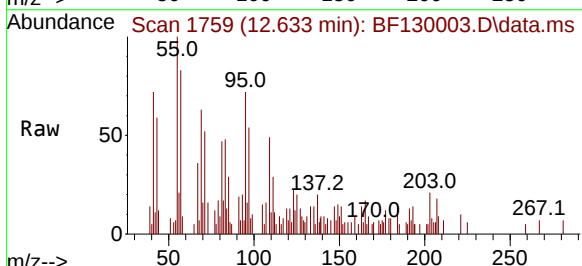
Tgt Ion:184 Resp: 765

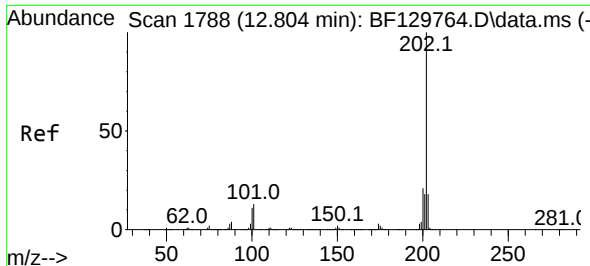
Ion Ratio Lower Upper

184 100

185 35.2 11.4 17.2#

183 0.0 9.4 14.2#

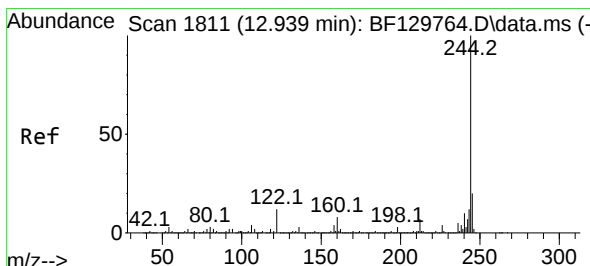
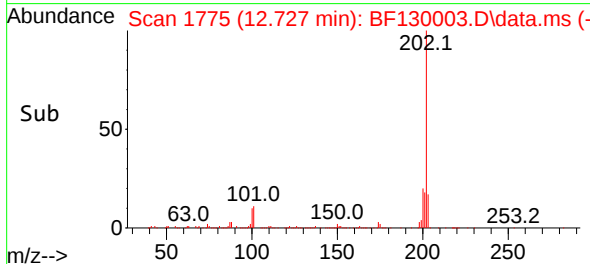
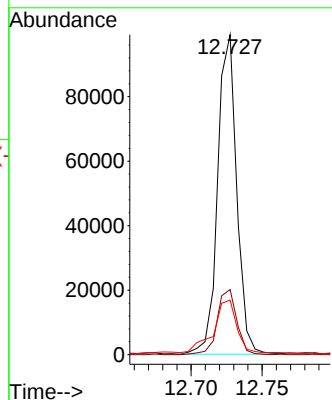
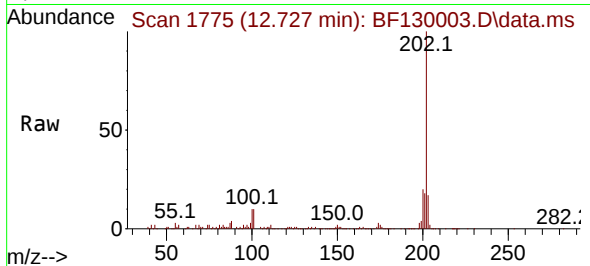




#78
 Pyrene
 Concen: 4.612 ng
 RT: 12.727 min Scan# 1775
 Delta R.T. 0.000 min
 Lab File: BF130003.D
 Acq: 25 Aug 2022 17:10

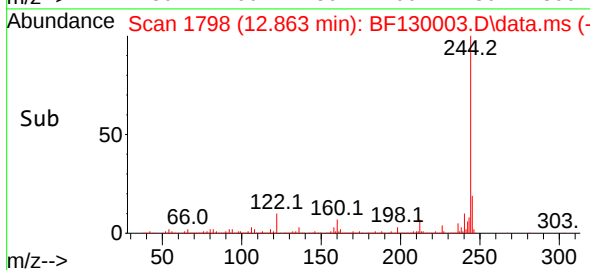
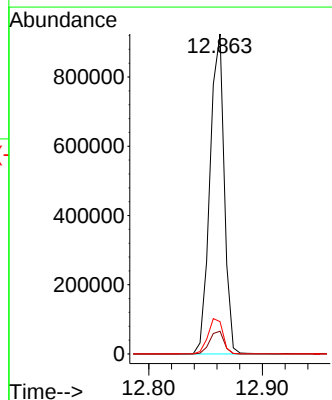
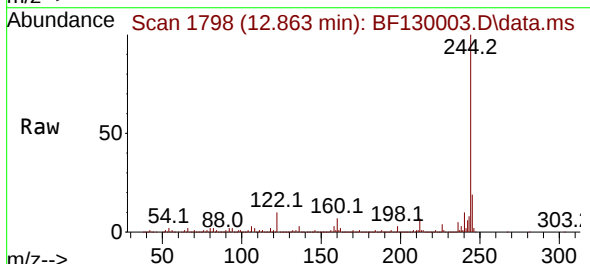
Instrument :
 BNA_F
 ClientSampleId :
 SS-6

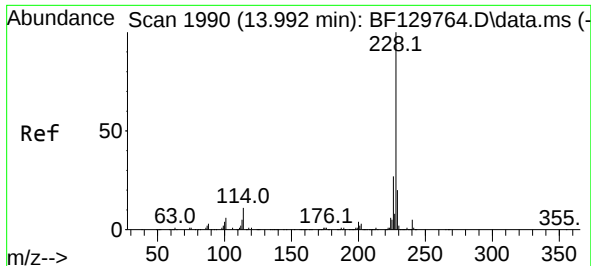
Tgt Ion:202 Resp: 92182
 Ion Ratio Lower Upper
 202 100
 200 20.4 17.0 25.6
 203 17.1 14.1 21.1



#79
 Terphenyl-d14
 Concen: 58.385 ng
 RT: 12.863 min Scan# 1798
 Delta R.T. 0.000 min
 Lab File: BF130003.D
 Acq: 25 Aug 2022 17:10

Tgt Ion:244 Resp: 807100
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.9 8.9
 122 10.1 9.9 14.9

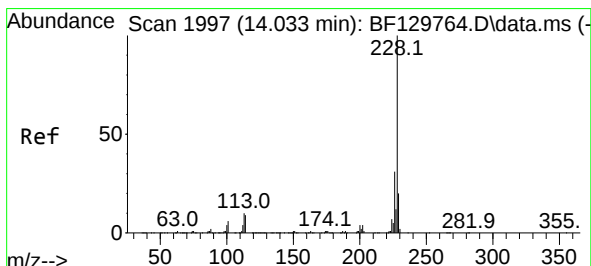
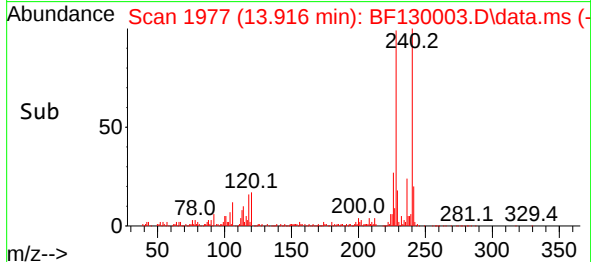
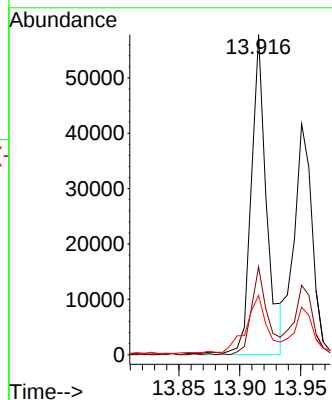
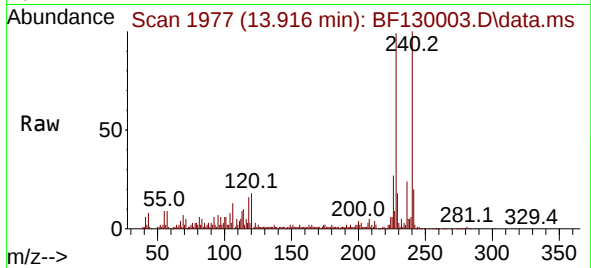




#81
Benzo(a)anthracene
Concen: 3.245 ng
RT: 13.916 min Scan# 1977
Delta R.T. 0.000 min
Lab File: BF130003.D
Acq: 25 Aug 2022 17:10

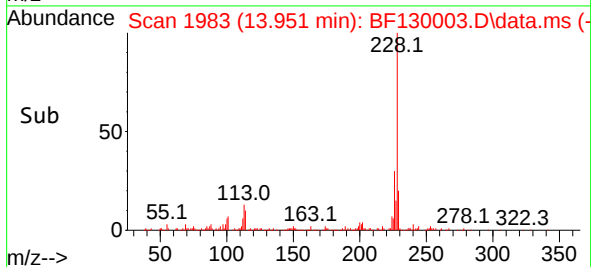
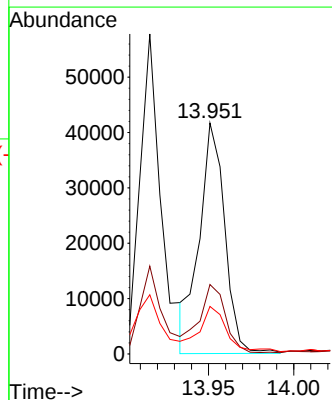
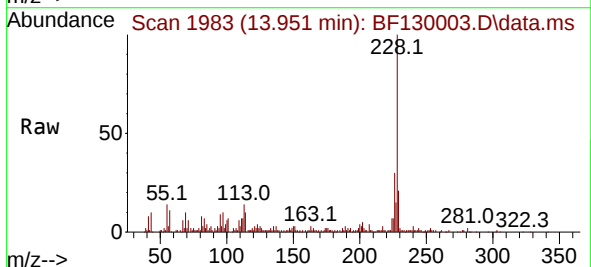
Instrument :
BNA_F
ClientSampleId :
SS-6

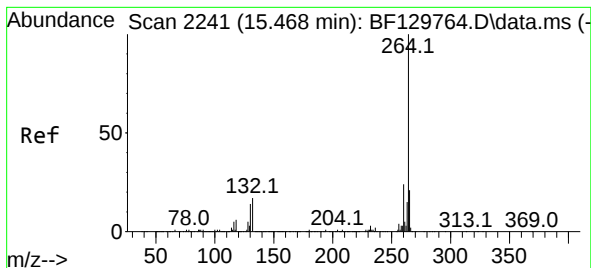
Tgt Ion:228 Resp: 51348
Ion Ratio Lower Upper
228 100
226 27.5 21.4 32.0
229 18.5 16.1 24.1



#83
Chrysene
Concen: 2.919 ng
RT: 13.951 min Scan# 1983
Delta R.T. 0.000 min
Lab File: BF130003.D
Acq: 25 Aug 2022 17:10

Tgt Ion:228 Resp: 43232
Ion Ratio Lower Upper
228 100
226 30.1 24.4 36.6
229 20.6 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.374 min Scan# 2154

Delta R.T. 0.006 min

Lab File: BF130003.D

Acq: 25 Aug 2022 17:10

Instrument :

BNA_F

ClientSampleId :

SS-6

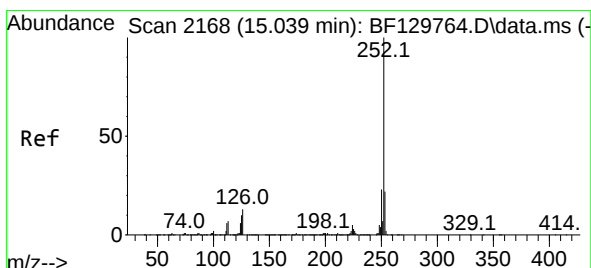
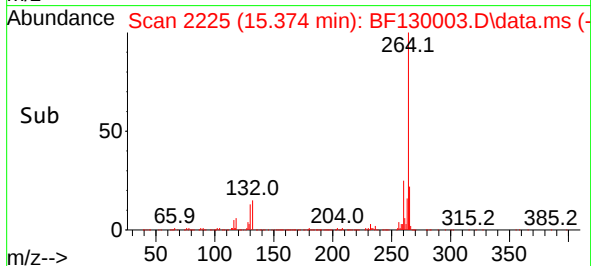
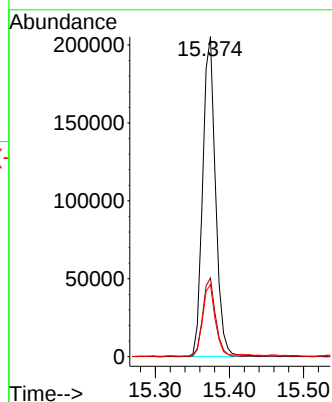
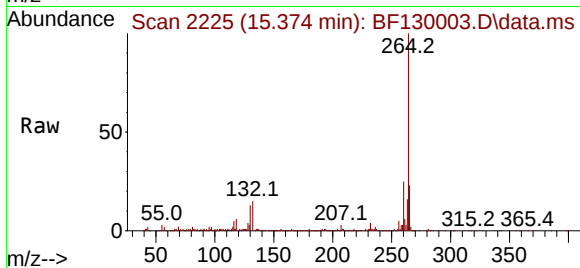
Tgt Ion:264 Resp: 246336

Ion Ratio Lower Upper

264 100

260 24.6 19.1 28.7

265 22.5 16.7 25.1



#88

Benzo(b)fluoranthene

Concen: 5.058 ng

RT: 14.957 min Scan# 2154

Delta R.T. 0.006 min

Lab File: BF130003.D

Acq: 25 Aug 2022 17:10

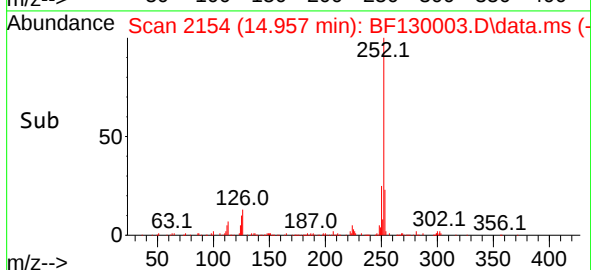
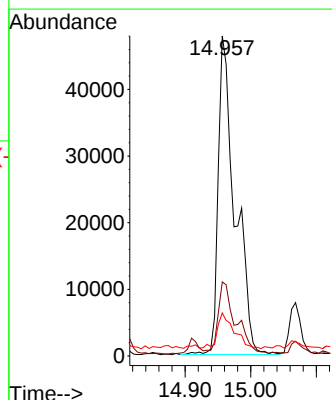
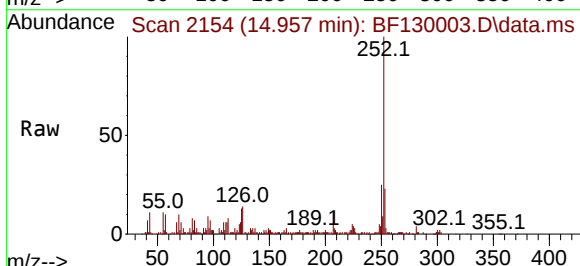
Tgt Ion:252 Resp: 85313

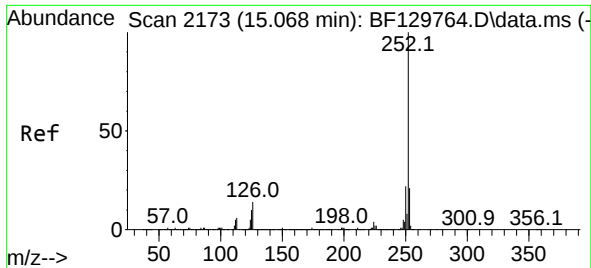
Ion Ratio Lower Upper

252 100

253 23.2 17.5 26.3

125 13.4 8.3 12.5#

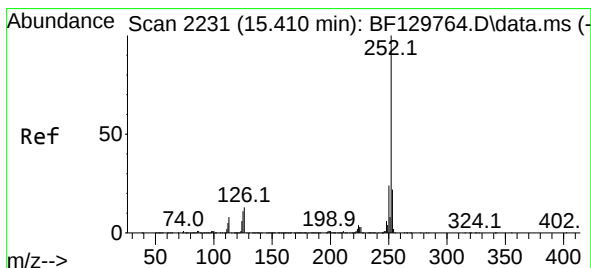
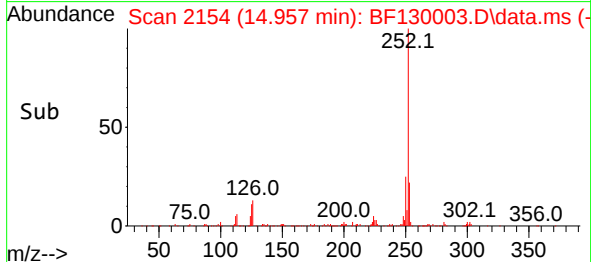
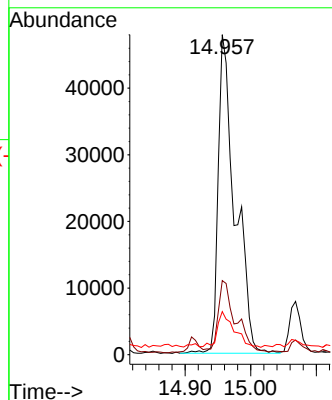
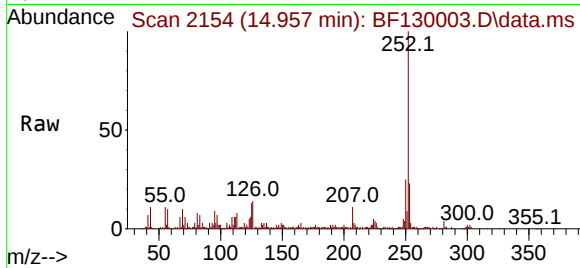




#89
Benzo(k)fluoranthene
Concen: 5.274 ng
RT: 14.957 min Scan# 2173
Delta R.T. -0.024 min
Lab File: BF130003.D
Acq: 25 Aug 2022 17:10

Instrument :
BNA_F
ClientSampleId :
SS-6

Tgt Ion:252 Resp: 85313
Ion Ratio Lower Upper
252 100
253 23.2 17.1 25.7
125 13.4 8.3 12.5#



#90
Benzo(a)pyrene
Concen: 3.479 ng
RT: 15.315 min Scan# 2215
Delta R.T. 0.006 min
Lab File: BF130003.D
Acq: 25 Aug 2022 17:10

Tgt Ion:252 Resp: 46219
Ion Ratio Lower Upper
252 100
253 23.1 17.2 25.8
125 11.9 8.8 13.2

