

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112724\
 Data File : BF140676.D
 Acq On : 27 Nov 2024 17:58
 Operator : RC/JU
 Sample : P5005-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STOCK-PILE

Quant Time: Nov 28 00:11:53 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 2024
 Response via : Initial Calibration

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

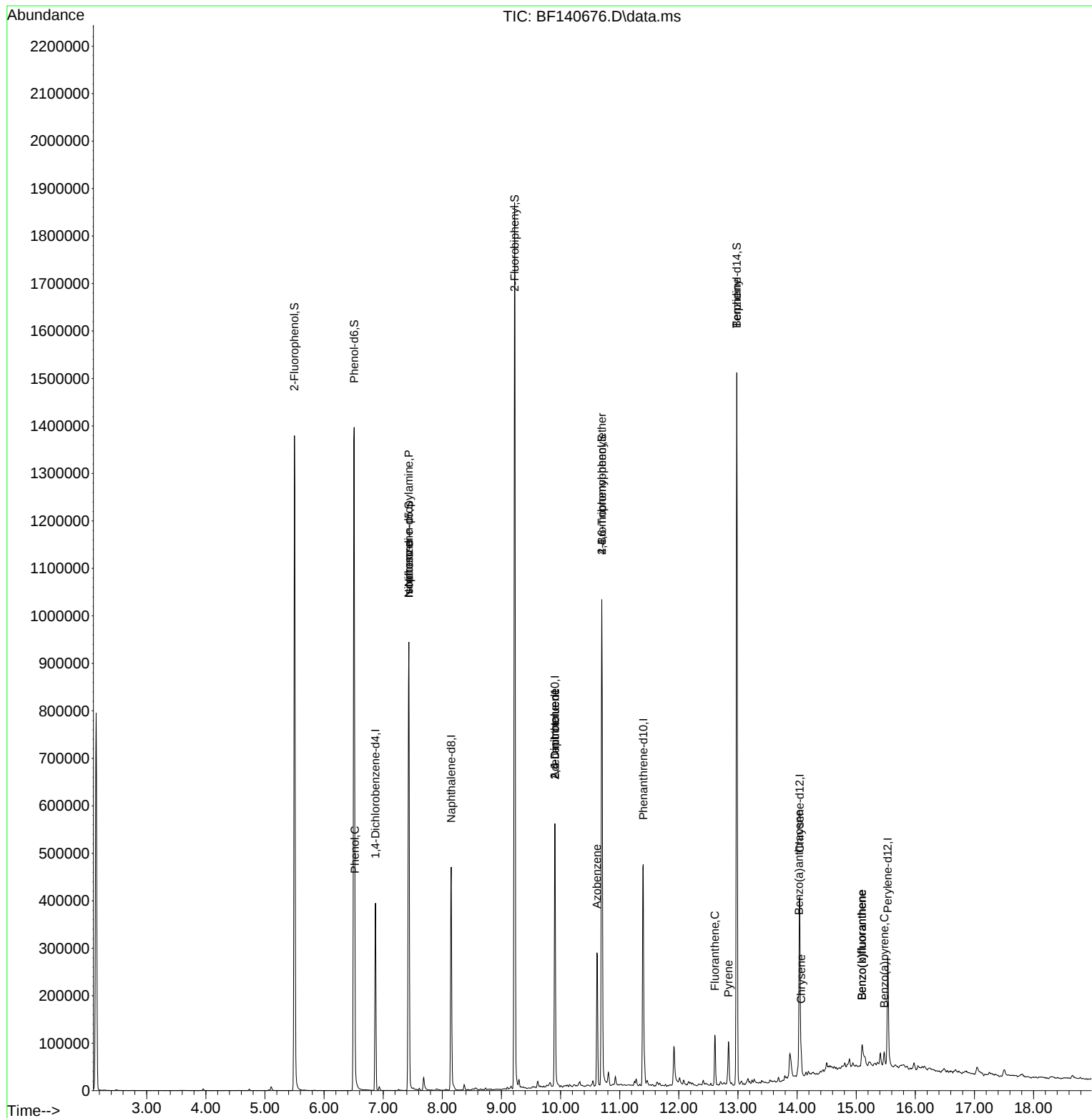
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	81222	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	307726	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	167420	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	269301	20.000	ng	0.00
76) Chrysene-d12	14.045	240	172274	20.000	ng	0.00
86) Perylene-d12	15.533	264	133638	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	528680	111.058	ng	0.00
7) Phenol-d6	6.510	99	690947	109.790	ng	0.00
23) Nitrobenzene-d5	7.434	82	442718	73.589	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	179160	100.058	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	845842	75.275	ng	-0.01
79) Terphenyl-d14	12.980	244	719141	65.001	ng	-0.01
Target Compounds						
						Qvalue
10) Phenol	6.522	94	13668	2.127	ng	# 72
19) n-Nitroso-di-n-propyla...	7.434	70	60463	16.256	ng	# 77
25) Isophorone	7.434	82	435745	43.425	ng	# 66
51) 2,6-Dinitrotoluene	9.904	165	21891	8.754	ng	# 20
57) 2,4-Dinitrotoluene	9.904	165	21891	6.587	ng	# 18
63) Azobenzene	10.616	77	76033	7.167	ng	# 1
67) 4-Bromophenyl-phenylether	10.698	248	11436	4.123	ng	# 1
75) Fluoranthene	12.610	202	63959	4.551	ng	99
77) Benzidine	12.980	184	10059	2.008	ng	# 92
78) Pyrene	12.839	202	54640	3.430	ng	96
81) Benzo(a)anthracene	14.033	228	28797	2.525	ng	99
83) Chrysene	14.068	228	26950	2.585	ng	97
88) Benzo(b)fluoranthene	15.098	252	39623	4.720	ng	94
89) Benzo(k)fluoranthene	15.098	252	39623	5.394	ng	95
90) Benzo(a)pyrene	15.474	252	18405	2.697	ng	# 93

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

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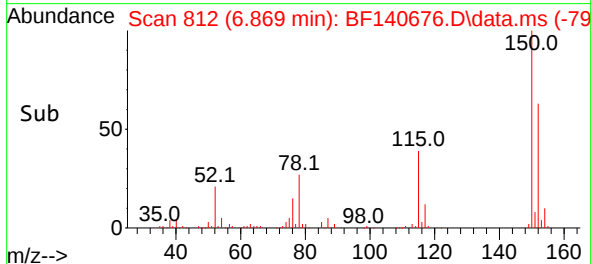
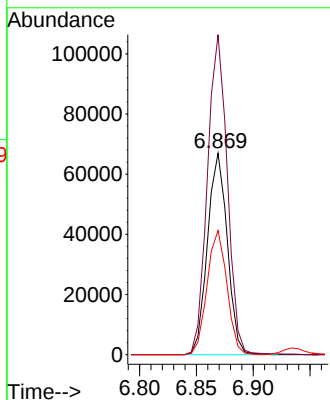
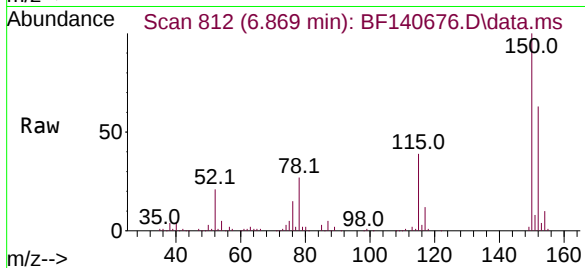




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140676.D
Acq: 27 Nov 2024 17:58

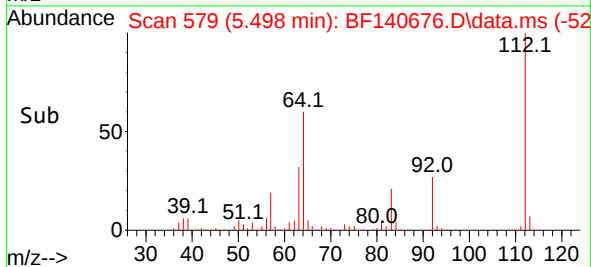
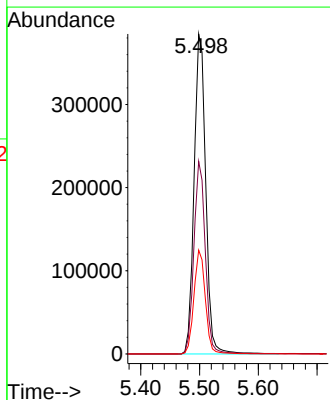
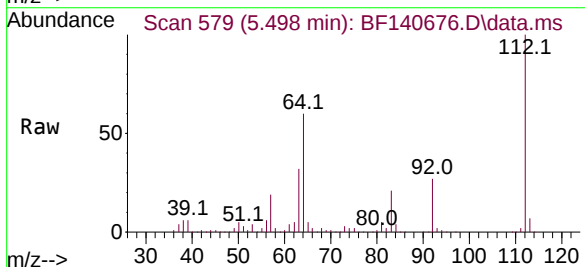
Instrument :
BNA_F
ClientSampleId :
STOCK-PILE

Tgt Ion:152 Resp: 81222
Ion Ratio Lower Upper
152 100
150 158.8 128.5 192.7
115 61.6 50.2 75.4



#5
2-Fluorophenol
Concen: 111.058 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF140676.D
Acq: 27 Nov 2024 17:58

Tgt Ion:112 Resp: 528680
Ion Ratio Lower Upper
112 100
64 60.2 49.2 73.8
63 32.5 27.0 40.4

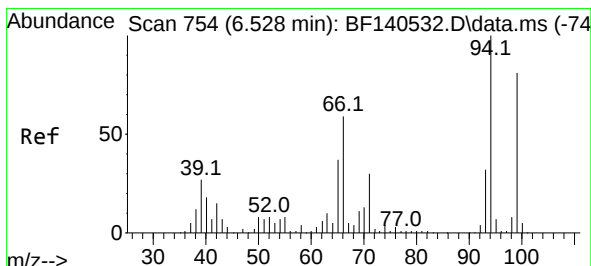
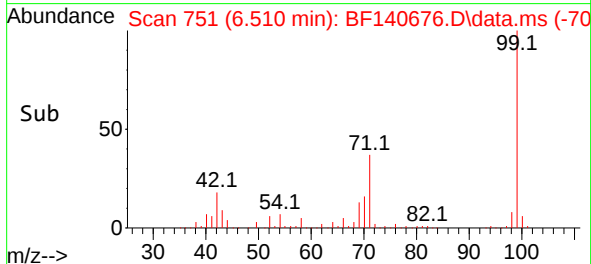
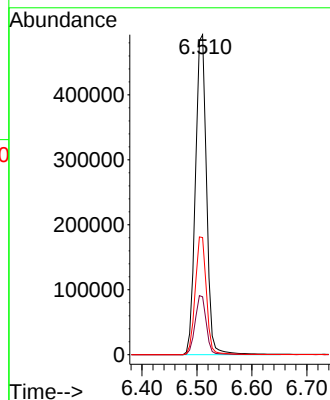
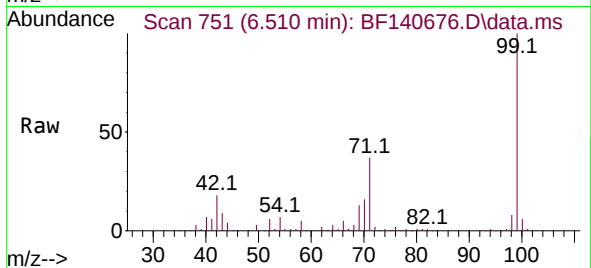




#7
Phenol-d6
Concen: 109.790 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF140676.D
Acq: 27 Nov 2024 17:58

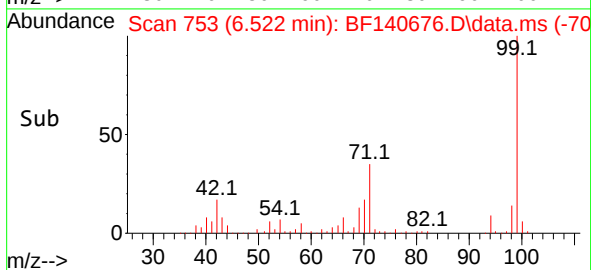
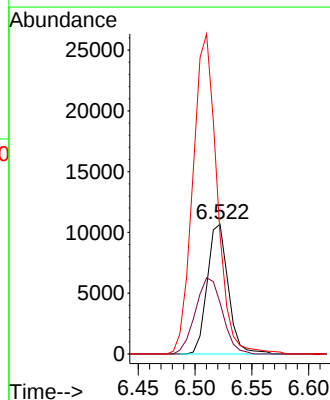
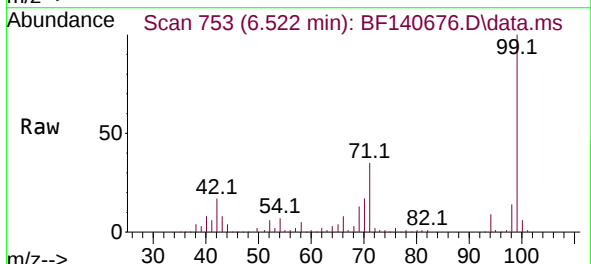
Instrument :
BNA_F
ClientSampleId :
STOCK-PILE

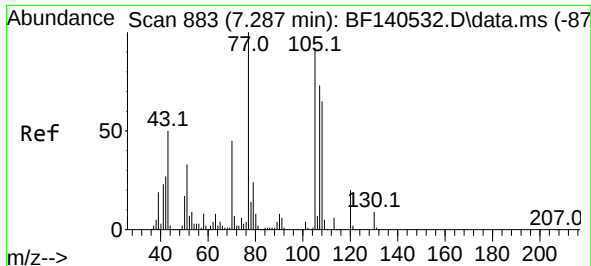
Tgt Ion: 99 Resp: 690947
Ion Ratio Lower Upper
99 100
42 18.1 15.4 23.0
71 36.6 30.6 46.0



#10
Phenol
Concen: 2.127 ng
RT: 6.522 min Scan# 753
Delta R.T. -0.006 min
Lab File: BF140676.D
Acq: 27 Nov 2024 17:58

Tgt Ion: 94 Resp: 13668
Ion Ratio Lower Upper
94 100
65 39.4 17.2 57.2
66 91.5 39.2 79.2#



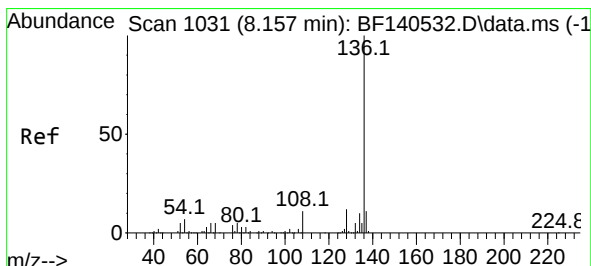
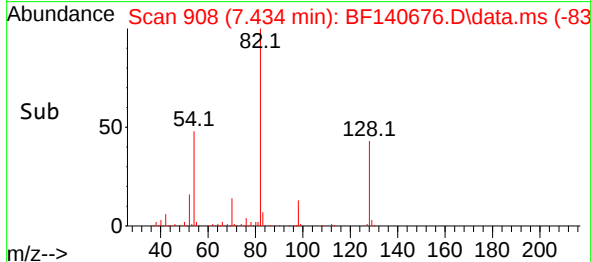
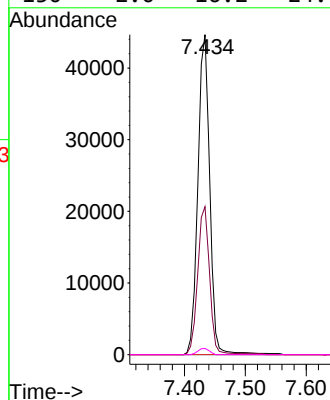
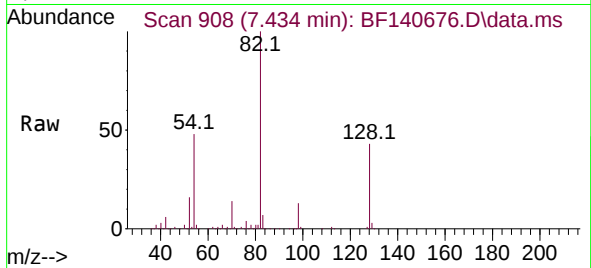


#19
n-Nitroso-di-n-propylamine
Concen: 16.256 ng
RT: 7.434 min Scan# 90
Delta R.T. 0.147 min
Lab File: BF140676.D
Acq: 27 Nov 2024 17:58

Instrument :
BNA_F
ClientSampleId :
STOCK-PILE

Tgt Ion: 70 Resp: 60463

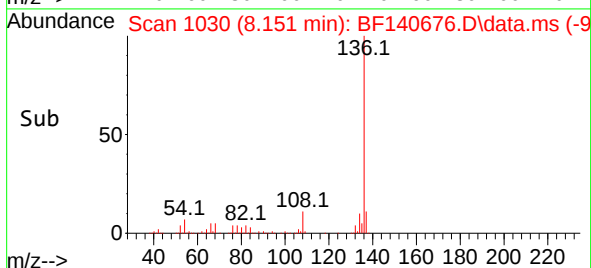
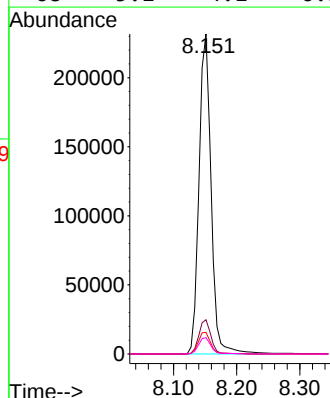
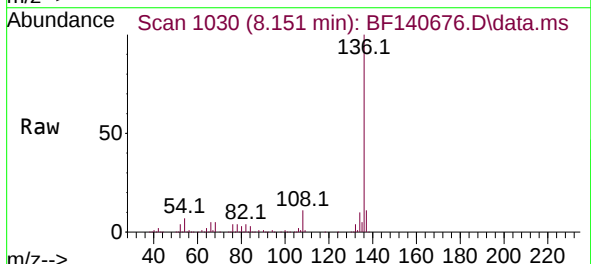
Ion	Ratio	Lower	Upper
70	100		
42	46.3	47.6	71.4#
101	0.0	7.6	11.4#
130	2.0	16.2	24.4#

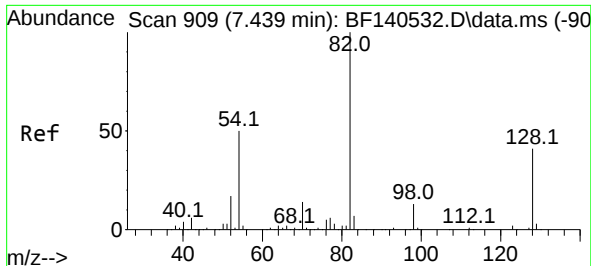


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140676.D
Acq: 27 Nov 2024 17:58

Tgt Ion: 136 Resp: 307726

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	6.8	5.8	8.8
68	5.1	4.1	6.1

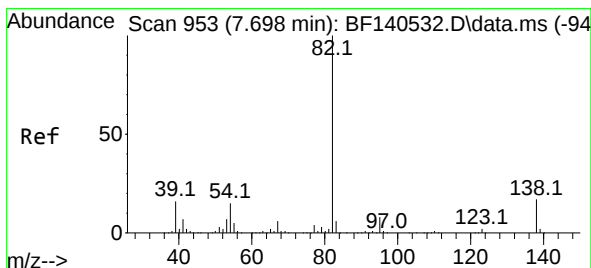
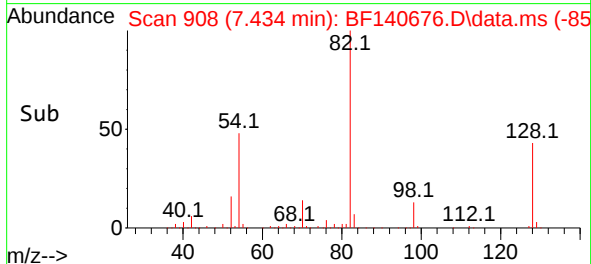
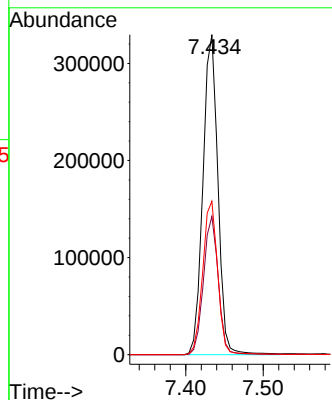
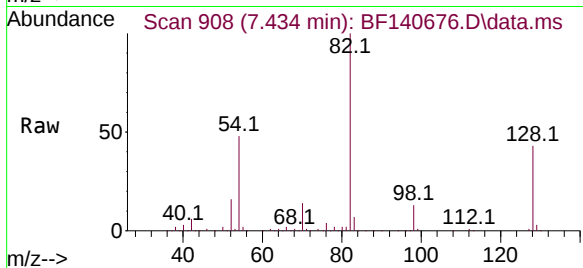




#23
Nitrobenzene-d5
Concen: 73.589 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF140676.D
Acq: 27 Nov 2024 17:58

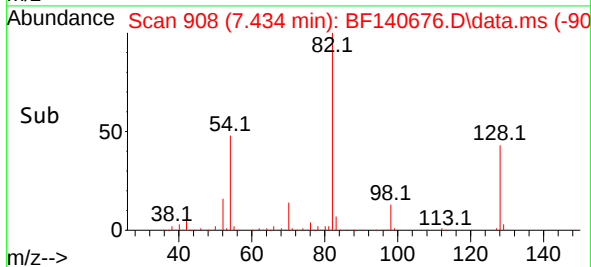
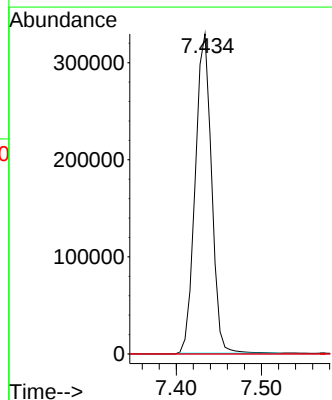
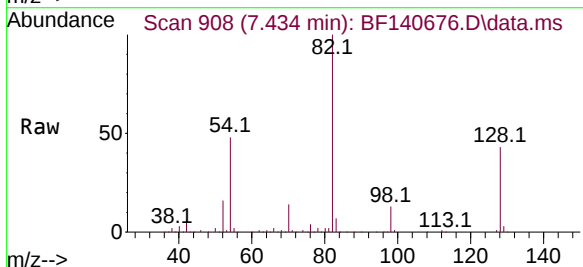
Instrument :
BNA_F
ClientSampleId :
STOCK-PILE

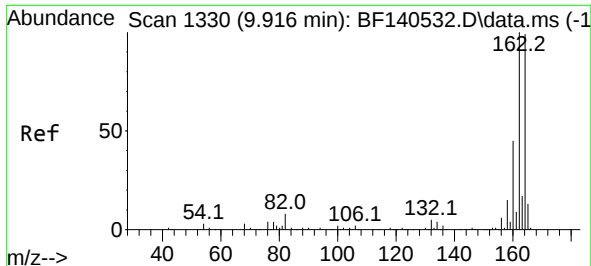
Tgt Ion: 82 Resp: 442718
Ion Ratio Lower Upper
82 100
128 43.2 33.0 49.4
54 47.9 39.5 59.3



#25
Isophorone
Concen: 43.425 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.265 min
Lab File: BF140676.D
Acq: 27 Nov 2024 17:58

Tgt Ion: 82 Resp: 435745
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.8 20.6#

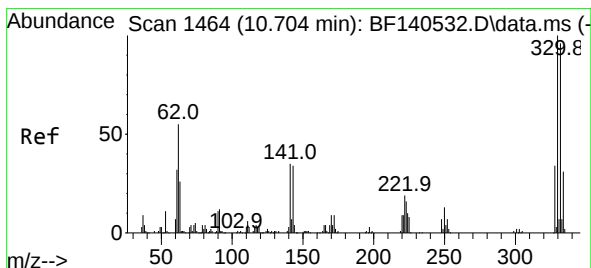
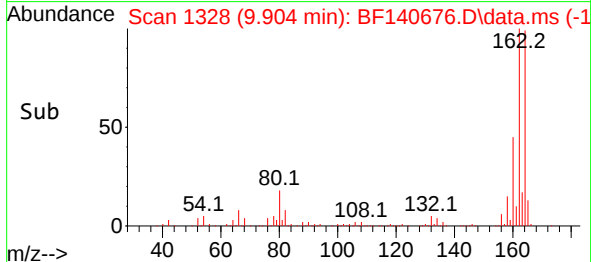
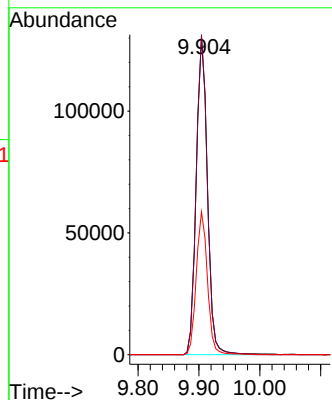
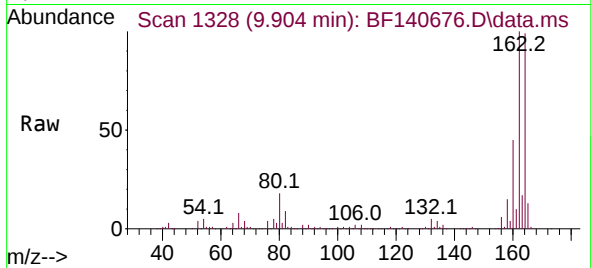




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF140676.D
Acq: 27 Nov 2024 17:58

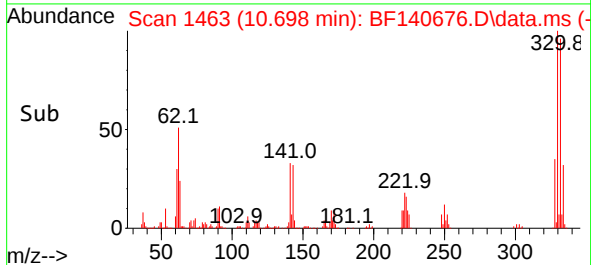
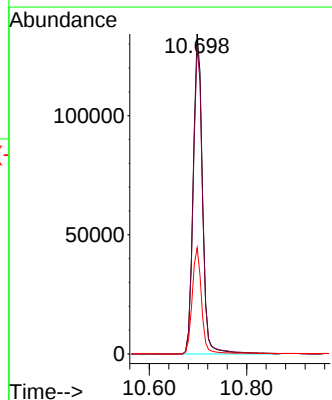
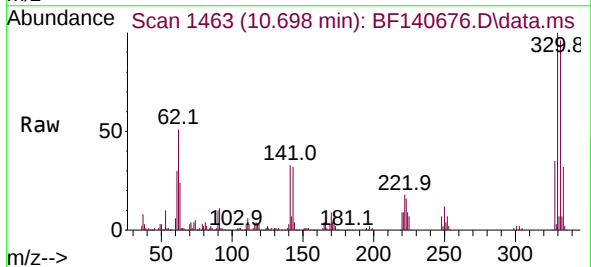
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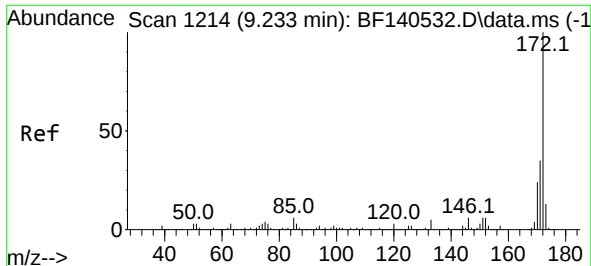
Tgt Ion:164 Resp: 167420
Ion Ratio Lower Upper
164 100
162 100.7 80.6 120.8
160 45.0 36.2 54.4



#42
2,4,6-Tribromophenol
Concen: 100.058 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF140676.D
Acq: 27 Nov 2024 17:58

Tgt Ion:330 Resp: 179160
Ion Ratio Lower Upper
330 100
332 96.7 76.9 115.3
141 33.3 26.7 40.1

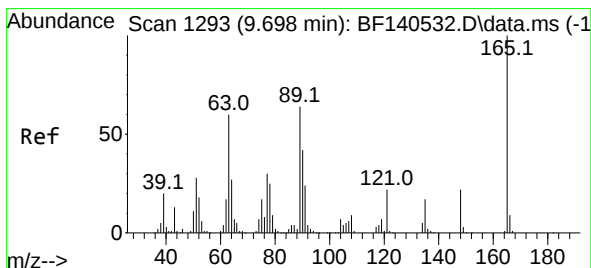
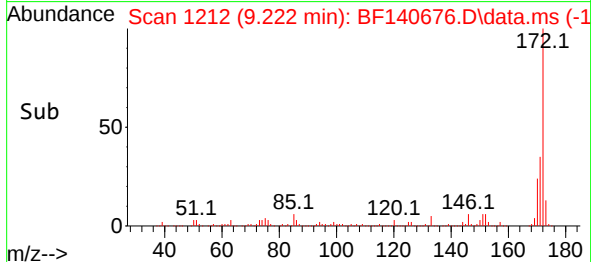
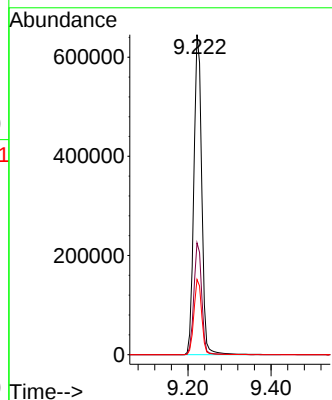
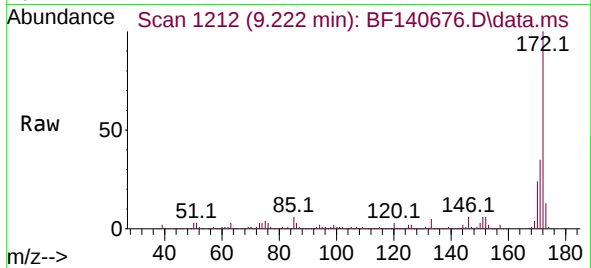




#45
2-Fluorobiphenyl
Concen: 75.275 ng
RT: 9.222 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF140676.D
Acq: 27 Nov 2024 17:58

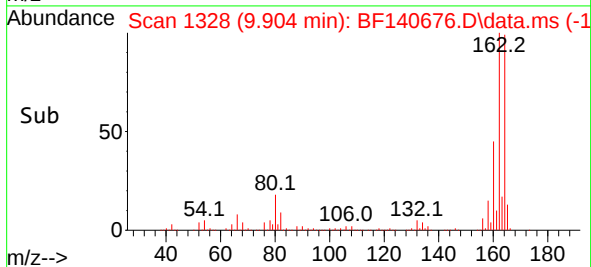
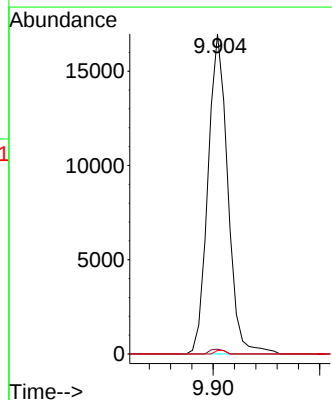
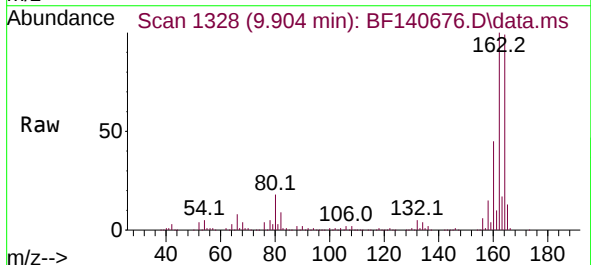
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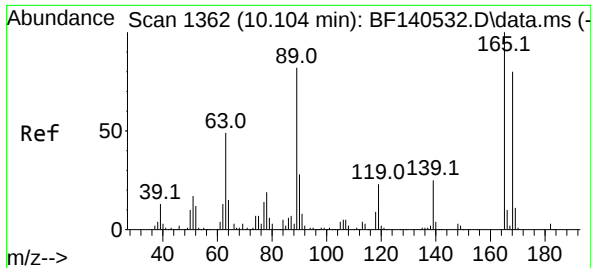
Tgt Ion:172 Resp: 845842
Ion Ratio Lower Upper
172 100
171 35.0 28.4 42.6
170 23.5 19.0 28.6



#51
2,6-Dinitrotoluene
Concen: 8.754 ng
RT: 9.904 min Scan# 1328
Delta R.T. 0.206 min
Lab File: BF140676.D
Acq: 27 Nov 2024 17:58

Tgt Ion:165 Resp: 21891
Ion Ratio Lower Upper
165 100
63 1.5 49.9 74.9#
89 1.1 50.9 76.3#

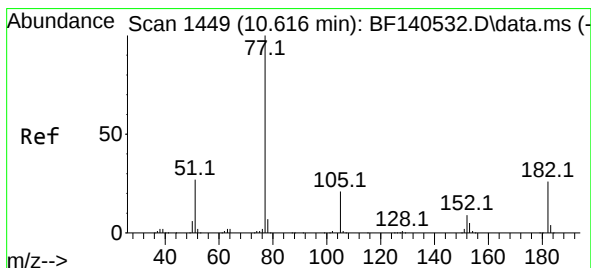
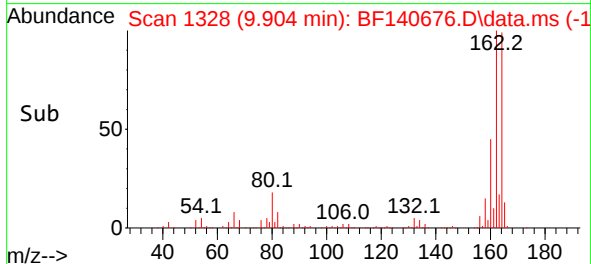
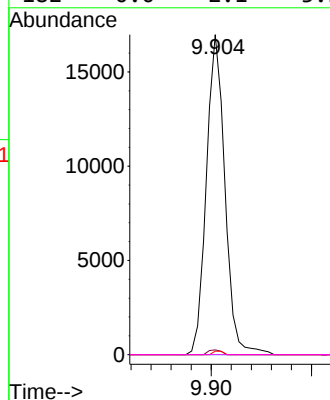
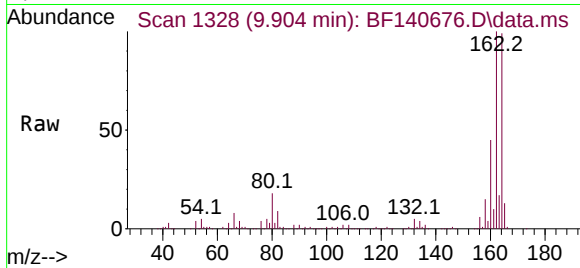




#57
2,4-Dinitrotoluene
Concen: 6.587 ng
RT: 9.904 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF140676.D
Acq: 27 Nov 2024 17:58

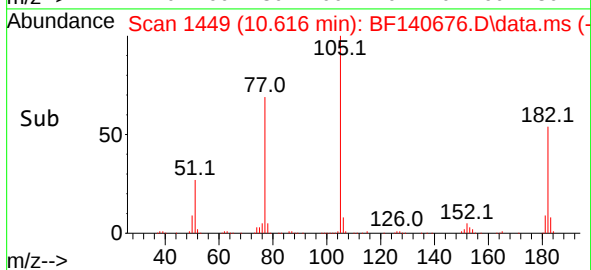
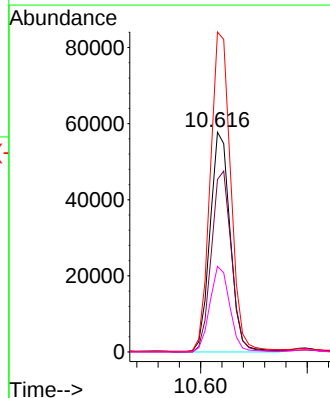
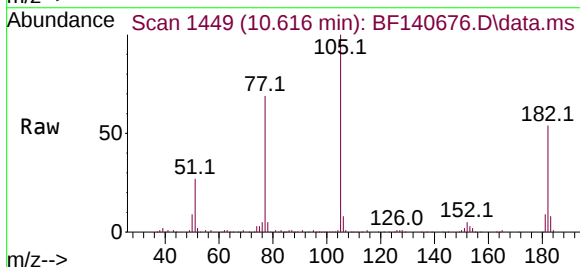
Instrument :
BNA_F
ClientSampleId :
STOCK-PILE

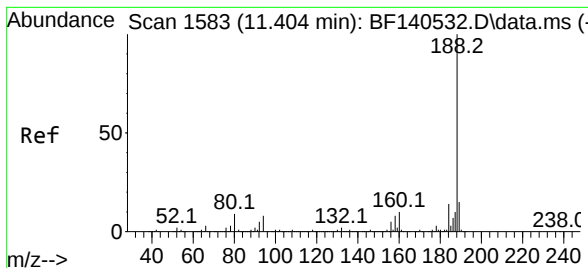
Tgt Ion:165	Resp:	21891
Ion Ratio	Lower	Upper
165	100	
63	1.5	41.7 62.5#
89	1.1	65.8 98.8#
182	0.0	2.1 3.1#



#63
Azobenzene
Concen: 7.167 ng
RT: 10.616 min Scan# 1449
Delta R.T. 0.000 min
Lab File: BF140676.D
Acq: 27 Nov 2024 17:58

Tgt Ion: 77	Resp:	76033
Ion Ratio	Lower	Upper
77	100	
182	78.5	5.3 45.3#
105	145.5	0.3 40.3#
51	38.9	9.4 49.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140676.D

Acq: 27 Nov 2024 17:58

Instrument :

BNA_F

ClientSampleId :

STOCK-PILE

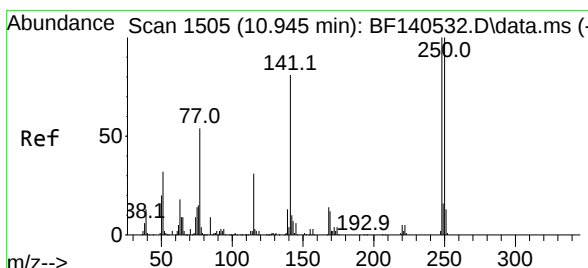
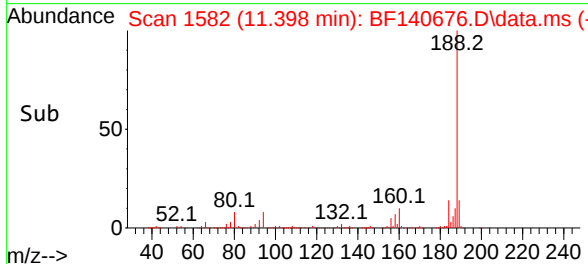
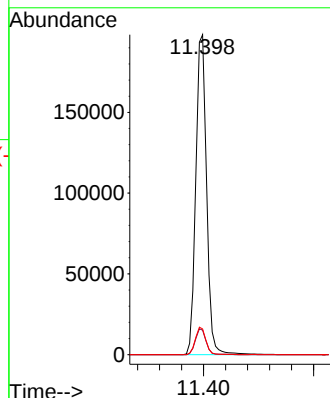
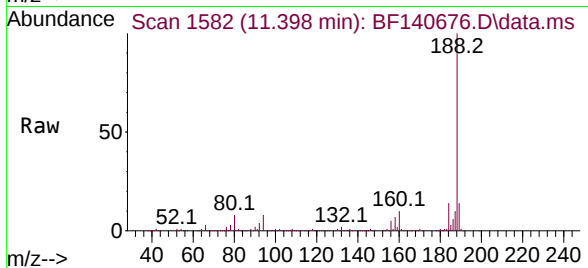
Tgt Ion:188 Resp: 269301

Ion Ratio Lower Upper

188 100

94 7.7 6.4 9.6

80 8.1 6.9 10.3



#67

4-Bromophenyl-phenylether

Concen: 4.123 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.247 min

Lab File: BF140676.D

Acq: 27 Nov 2024 17:58

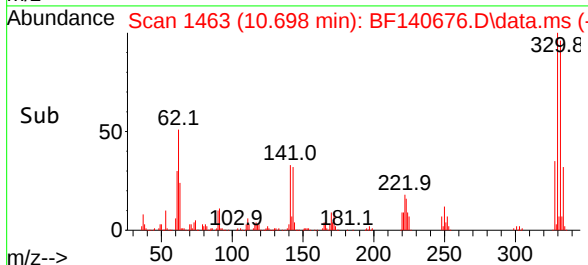
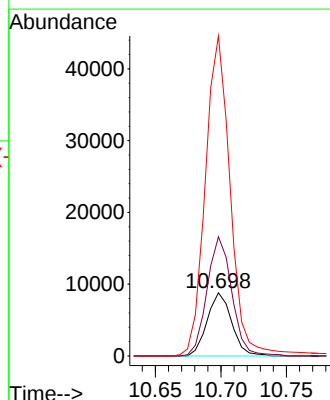
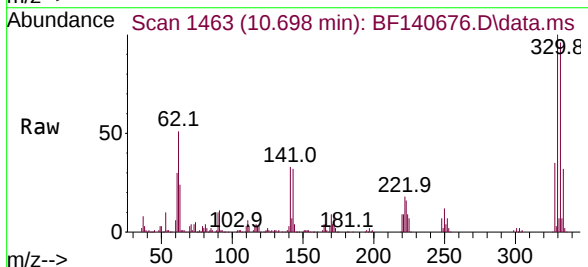
Tgt Ion:248 Resp: 11436

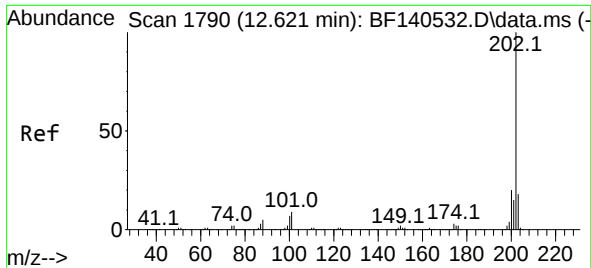
Ion Ratio Lower Upper

248 100

250 188.5 79.8 119.8#

141 505.9 64.7 97.1#

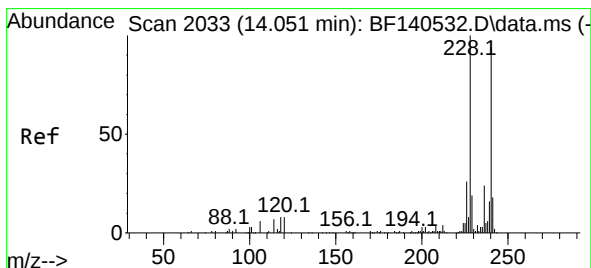
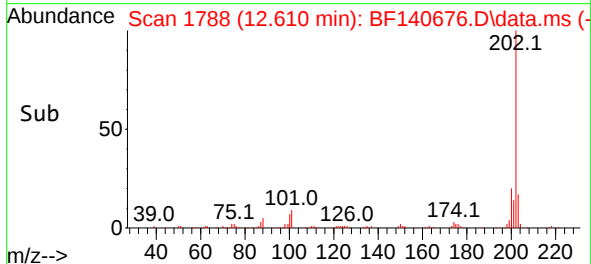
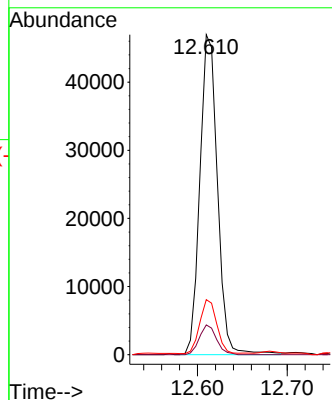
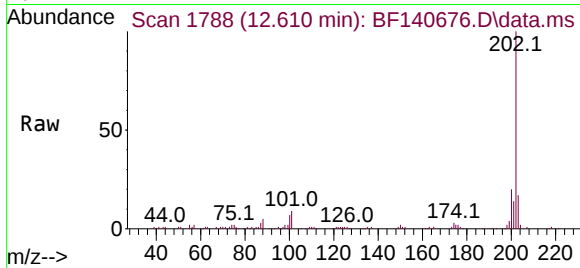




#75
Fluoranthene
Concen: 4.551 ng
RT: 12.610 min Scan# 1790
Delta R.T. -0.012 min
Lab File: BF140676.D
Acq: 27 Nov 2024 17:58

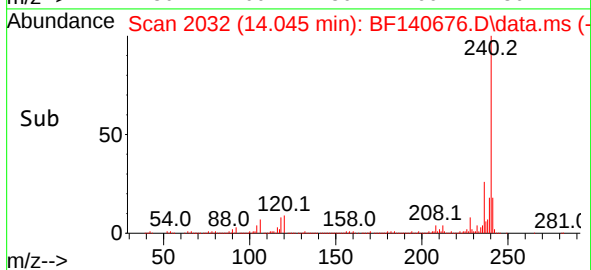
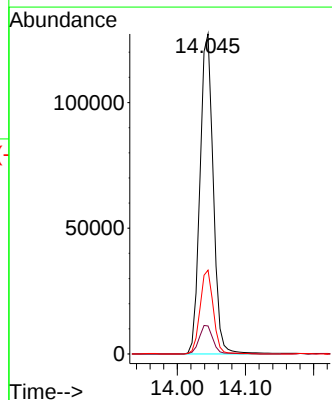
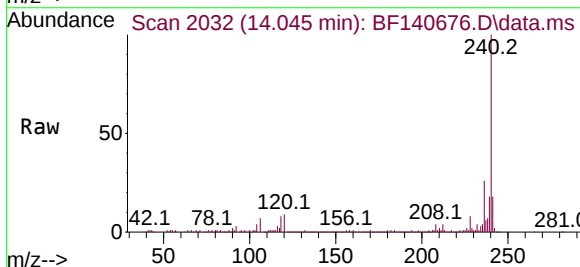
Instrument :
BNA_F
ClientSampleId :
STOCK-PILE

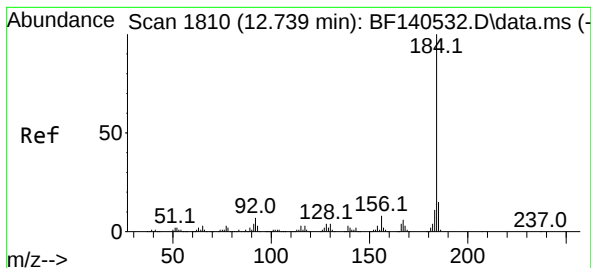
Tgt Ion:202 Resp: 63959
Ion Ratio Lower Upper
202 100
101 9.3 0.0 28.9
203 17.2 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140676.D
Acq: 27 Nov 2024 17:58

Tgt Ion:240 Resp: 172274
Ion Ratio Lower Upper
240 100
120 8.8 7.3 10.9
236 26.2 20.6 31.0





#77

Benzidine

Concen: 2.008 ng

RT: 12.980 min Scan# 1851

Delta R.T. 0.241 min

Lab File: BF140676.D

Acq: 27 Nov 2024 17:58

Instrument :

BNA_F

ClientSampleId :

STOCK-PILE

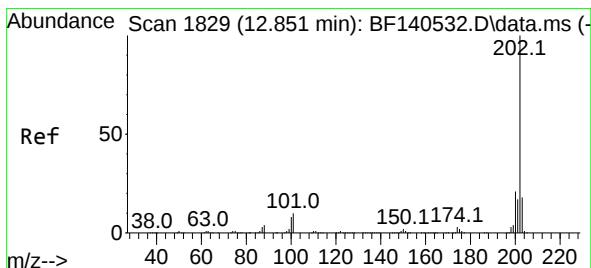
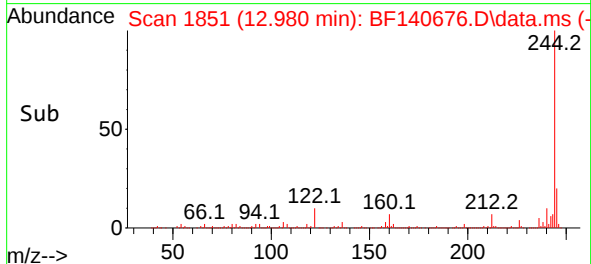
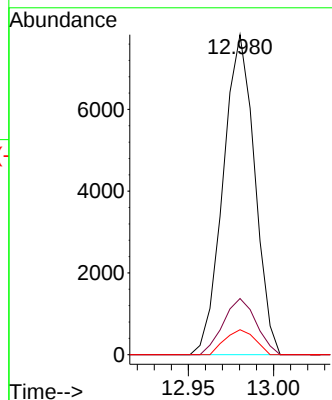
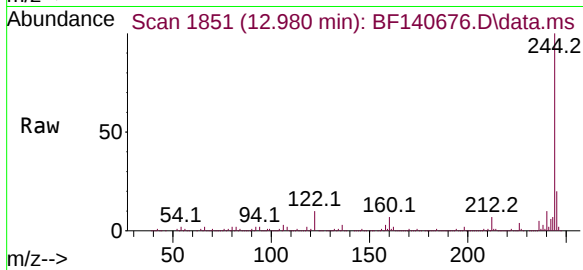
Tgt Ion:184 Resp: 10059

Ion Ratio Lower Upper

184 100

185 17.6 11.7 17.5#

183 7.8 8.8 13.2#



#78

Pyrene

Concen: 3.430 ng

RT: 12.839 min Scan# 1827

Delta R.T. -0.012 min

Lab File: BF140676.D

Acq: 27 Nov 2024 17:58

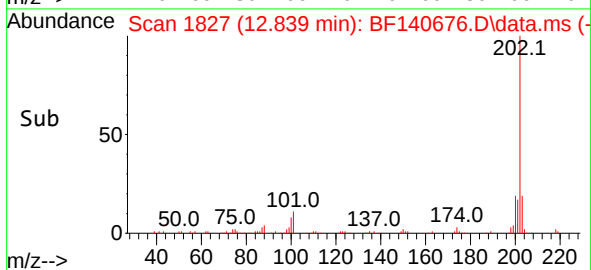
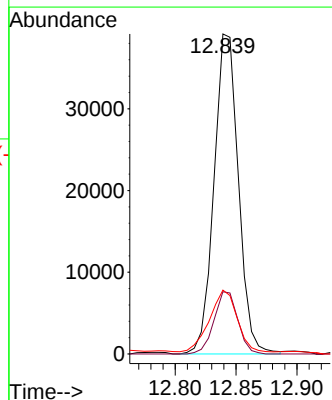
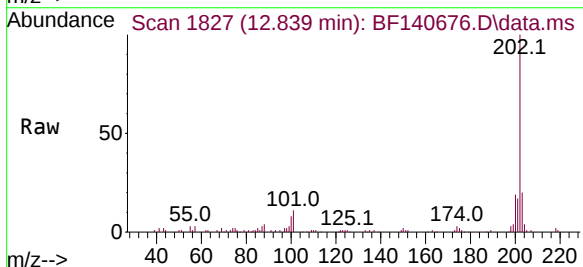
Tgt Ion:202 Resp: 54640

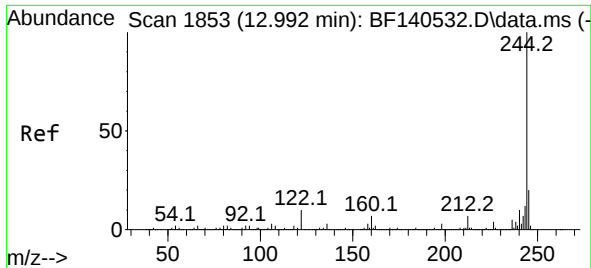
Ion Ratio Lower Upper

202 100

200 19.4 16.5 24.7

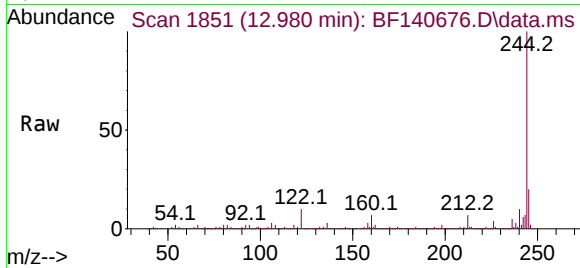
203 20.0 14.2 21.4



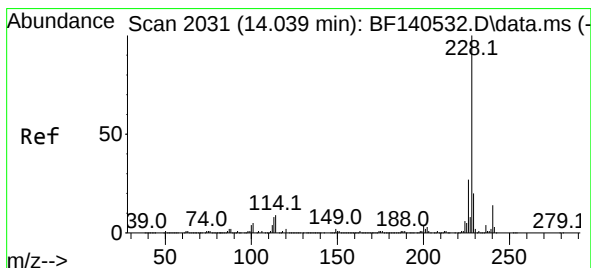
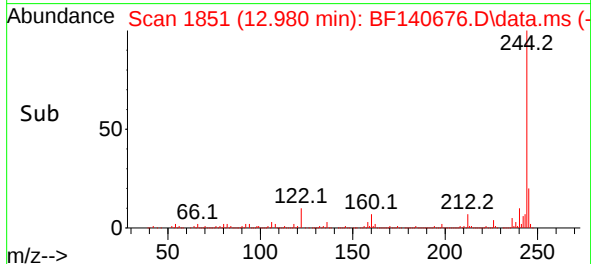
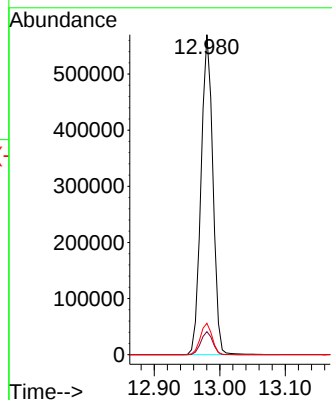


#79
 Terphenyl-d14
 Concen: 65.001 ng
 RT: 12.980 min Scan# 1851
 Delta R.T. -0.012 min
 Lab File: BF140676.D
 Acq: 27 Nov 2024 17:58

Instrument :
 BNA_F
 ClientSampleId :
 STOCK-PILE

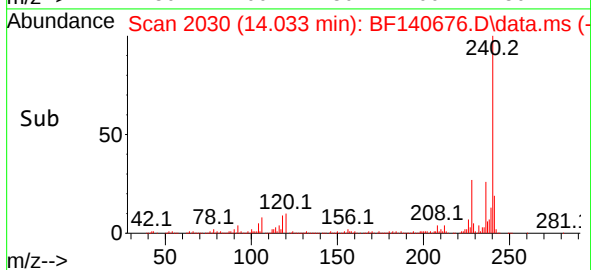
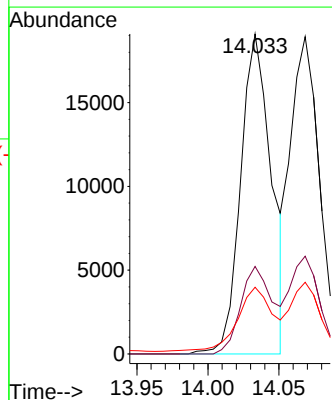
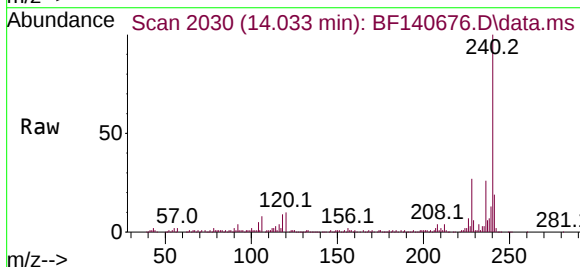


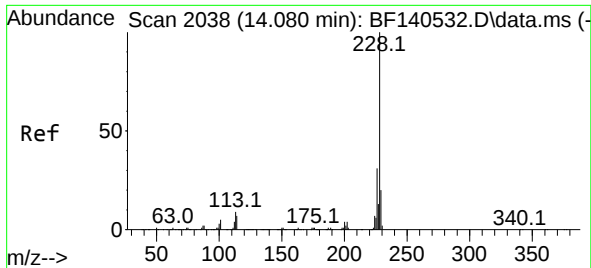
Tgt Ion:244 Resp: 719141
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.8
 122 9.8 8.0 12.0



#81
 Benzo(a)anthracene
 Concen: 2.525 ng
 RT: 14.033 min Scan# 2030
 Delta R.T. -0.006 min
 Lab File: BF140676.D
 Acq: 27 Nov 2024 17:58

Tgt Ion:228 Resp: 28797
 Ion Ratio Lower Upper
 228 100
 226 27.3 21.8 32.8
 229 20.8 15.8 23.6

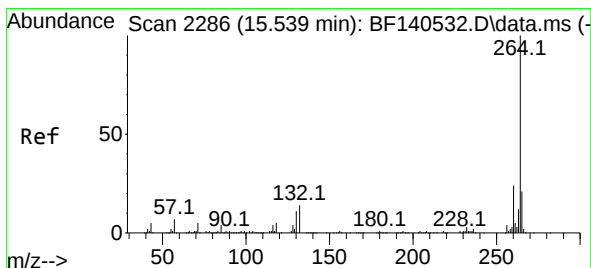
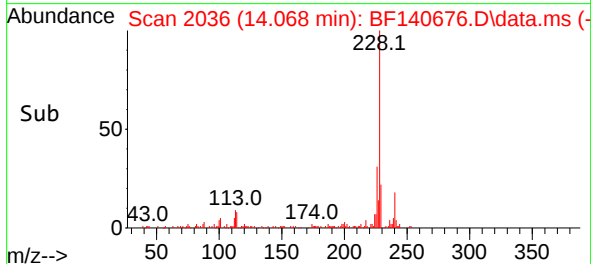
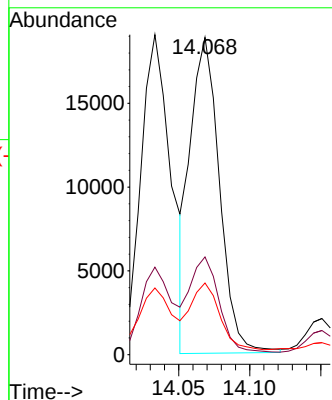
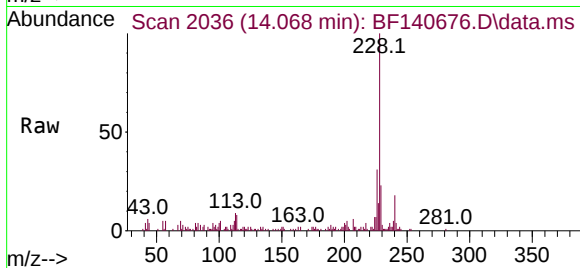




#83
Chrysene
Concen: 2.585 ng
RT: 14.068 min Scan# 2038
Delta R.T. -0.012 min
Lab File: BF140676.D
Acq: 27 Nov 2024 17:58

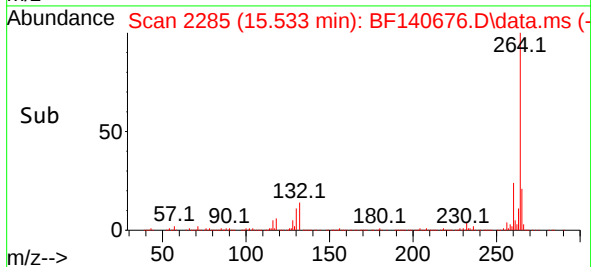
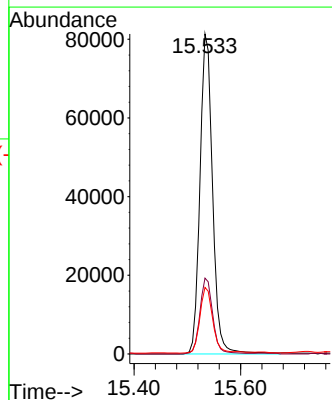
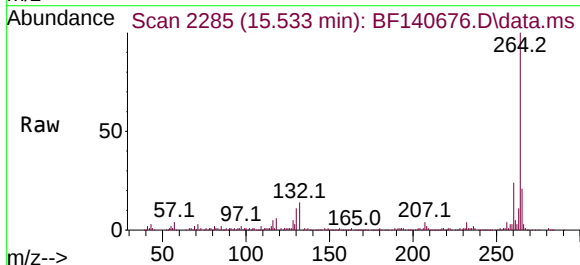
Instrument :
BNA_F
ClientSampleId :
STOCK-PILE

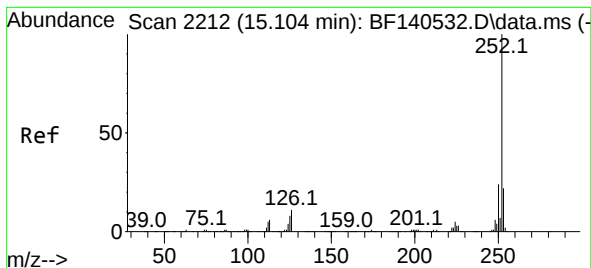
Tgt Ion:228	Resp:	26950
Ion Ratio	Lower	Upper
228	100	
226	30.8	24.4 36.6
229	22.6	15.8 23.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2285
Delta R.T. -0.006 min
Lab File: BF140676.D
Acq: 27 Nov 2024 17:58

Tgt Ion:264	Resp:	133638
Ion Ratio	Lower	Upper
264	100	
260	23.7	19.0 28.6
265	20.8	16.6 25.0





#88

Benzo(b)fluoranthene

Concen: 4.720 ng

RT: 15.098 min Scan# 2111

Delta R.T. -0.006 min

Lab File: BF140676.D

Acq: 27 Nov 2024 17:58

Instrument :

BNA_F

ClientSampleId :

STOCK-PILE

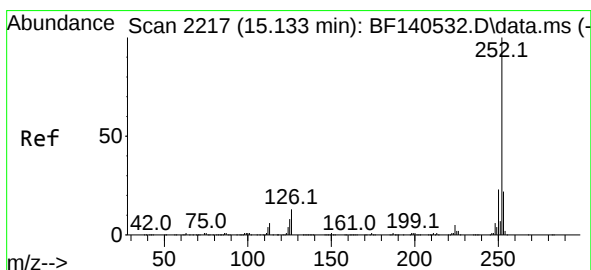
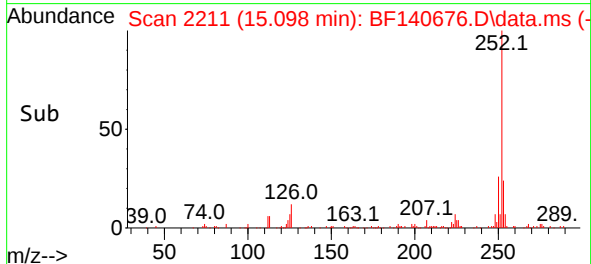
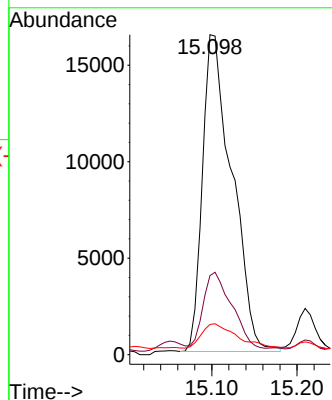
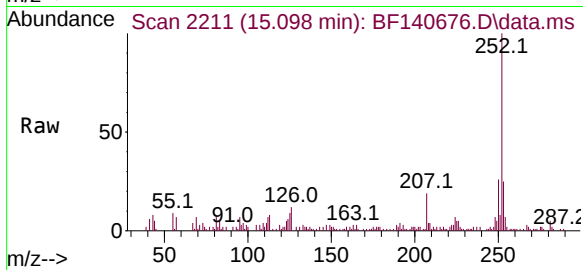
Tgt Ion:252 Resp: 39623

Ion Ratio Lower Upper

252 100

253 24.7 17.2 25.8

125 9.5 6.7 10.1



#89

Benzo(k)fluoranthene

Concen: 5.394 ng

RT: 15.098 min Scan# 2211

Delta R.T. -0.035 min

Lab File: BF140676.D

Acq: 27 Nov 2024 17:58

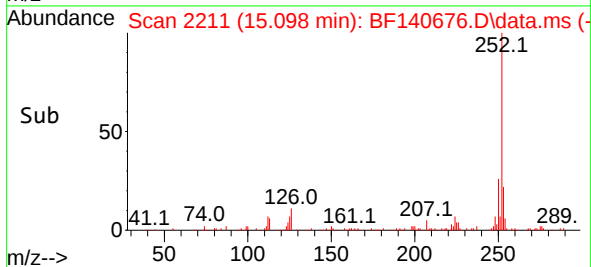
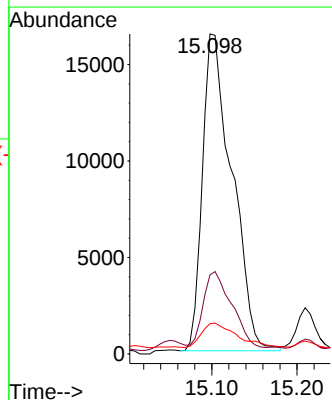
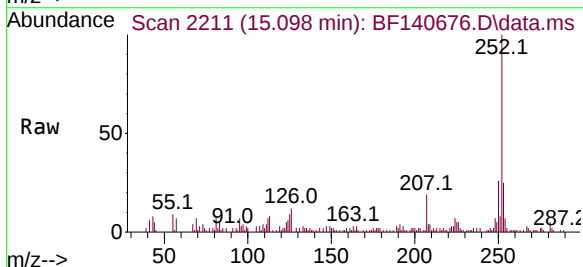
Tgt Ion:252 Resp: 39623

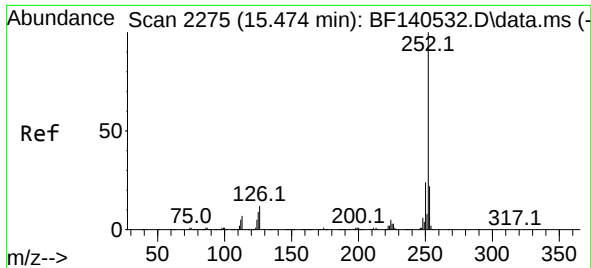
Ion Ratio Lower Upper

252 100

253 24.7 17.5 26.3

125 9.5 6.5 9.7





#90
Benzo(a)pyrene
Concen: 2.697 ng
RT: 15.474 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF140676.D
Acq: 27 Nov 2024 17:58

Instrument :
BNA_F
ClientSampleId :
STOCK-PILE

Tgt Ion:252 Resp: 18405
Ion Ratio Lower Upper
252 100
253 24.5 17.3 25.9
125 12.7 7.0 10.6#

